UNITED STATES SECURITIES AND EXCHANGE COMMISSION WASHINGTON, D.C. 20549

FORM 8-K

CURRENT REPORT

Pursuant to Section 13 or 15(d) of the Securities Exchange Act 1934

Date of Report: December 17, 2007

Titan Pharmaceuticals, Inc.

(Exact name of registrant as specified in charter)

Delaware

(State or other jurisdiction of incorporation)

001-13341

(Commission File Number)

94-3171940 (IRS Employer Identification No.)

400 Oyster Point Blvd., Suite 505, South San Francisco, CA (Address of principal executive offices) 94080 (Zip Code)

Registrant's telephone number, including area code: 650-244-4990

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

□ Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)

□ Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)

Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))

Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Item 1.01 Entry into a Material Definitive Agreement.

On December 17, 2007, we entered into stock purchase agreements with nine institutional investors for the purchase and sale of units consisting of 13,300,000 shares of our common stock and five-year warrants to purchase 6,650,000 shares of our common stock. The units are being sold at \$1.60 per unit, for gross proceeds of 21,280,000. The warrants will be exercisable at \$2.00 per share. The closing of the transaction is subject to the satisfaction of customary closing conditions, including approval of the listing of the shares on the American Stock Exchange. Canaccord Adams, Inc. and Rodman & Renshaw LLC are serving as placement agents for the private placement.

The net proceeds of the financing will be used for research and product development activities, as well as for general corporate purposes.

A copy of the letter agreement with the placement agents is filed herewith as Exhibit 1.1 and incorporated herein by reference. A copy of the form of stock purchase agreement with each of the investors is filed herewith as Exhibit 10.42 and incorporated herein by reference. A copy of the press release dated December 18, 2007 announcing the transaction is filed herewith as Exhibit 99.1 and incorporated herein by reference.

Item 9.01 Financial Statements and Exhibits

(b) Exhibits

Exhibit No.	Description
1.1	Letter Agreement by and between Titan Pharmaceuticals, Inc., Canaccord Adams, Inc. and Rodman & Renshaw LLC, dated November 28, 2007.
10.42	Form of Stock Purchase Agreement, dated as of December 17, 2007
99.1	Press Release issued December 18, 2007.

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the Registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

TITAN PHARMACEUTICALS, INC.

By: /s/ Marc Rubin

Marc Rubin, Chief Executive Officer

Dated: December 19, 2007

EXHIBIT INDEX

Exhibit No.	Description
1.1	Letter Agreement by and between Titan Pharmaceuticals, Inc., Canaccord Adams, Inc. and Rodman & Renshaw LLC, dated November 28, 2007.
10.42	Form of Stock Purchase Agreement, dated as of December 17, 2007
99.1	Press Release issued December 18, 2007.

CONFIDENTIAL

November 28, 2007

Titan Pharmaceuticals, Inc. 400 Oyster Point Boulevard Suite 505 South San Francisco, California 94080

Attn: Marc Rubin President and CEO

Dear Marc:

This letter (the "Agreement") will confirm the basis upon which Titan Pharmaceuticals, Inc. ("Client") has engaged Canaccord Adams Inc. (together with its affiliates, control persons, officers, directors, employees and agents, "CA") to act as Client's lead placement agent and financial advisor, and Rodman & Renshaw, LLC (together with its affiliates, control persons, officers, directors, employees and agents, "Rodman" and together with CA, the "Placement Agents") to act as co-placement agent and co-financial advisor in connection with a private placement, on a best efforts basis, of one or more classes or series of securities of the Company (the "Securities"). The Securities may take the form of common stock and/or other equity-related securities. The placement of the Securities shall be referred to as the "Private Placement." CA will act as the representative of the Placement Agents.

As of the date of this Agreement, Client intends to sell up to \$25,000,000 of the Securities. The Securities will be offered on a limited basis to accredited investors mutually agreed upon by Client and CA (the "Investors"). The selection of each Investor shall be from a list of potential Investors assembled by Client, CA and Rodman. The number and price of the Securities the Client shall ultimately agree to sell is entirely within Client's sole discretion.

1. <u>Services to be Rendered</u>. In performing its agency and advisory roles, CA and Rodman will:

- (a) familiarize themselves to the extent they deem appropriate and feasible with the business, operations, properties, financial condition and prospects of Client;
- (b) assist Client in the development of descriptive textual and financial materials for distribution to potential Investors;
- (c) review with Client a list of potential Investors; and
- (d) solicit offers from potential Investors, collaborate with Client in the development and proposal of terms of any offers, and participate in, and assist Client with, negotiations in connection with the consummation of the Private Placement.

- 2. <u>Best Efforts</u>. It is understood that the CA's and Rodman's involvement in the Private Placement is strictly on a best efforts basis and that the consummation of the Private Placement will be subject to, among other things, market conditions.
- 3. <u>Client's Responsibilities, Representations and Warranties</u>. Client hereby agrees to the following:
 - (a) The sale of Securities to any Investor will be evidenced by a purchase agreement (each a "Purchase Agreement") between Client and each such Investor in a form reasonably satisfactory to Client and CA. Prior to the signing of any Purchase Agreement, officers of the Client with responsibility for financial affairs will be available to answer inquiries from prospective Investors.
 - (b) The selling price of the Securities to be issued and sold by Client pursuant to the Purchase Agreements will be specified in writing by CA and Rodman on behalf of Client to the prospective Investors prior to the execution of the Purchase Agreements, subject to Client's approval.
 - (c) The Purchase Agreements will require Client to file, on some specified date not less than thirty (30) days after it has signed and delivered such Purchase Agreements (the "Closing") a registration statement with the Securities and Exchange Commission (the "SEC") for the resale, from time to time, of the Securities to be issued pursuant to Purchase Agreements (the "Registration Statement"). The Client will not execute and deliver any additional Purchase Agreements after the time it has filed the Registration Statement.
 - (d) The Client agrees that CA and Rodman shall be entitled to rely on the representations and warranties of the Client contained in the Purchase Agreements as if they were made directly to CA and Rodman.
 - (e) Client shall have sole responsibility for ensuring that the sale of Securities contemplated by this Agreement shall be exempt from the registration requirements of the Securities Act of 1933, as amended, and will otherwise comply with the securities laws of any applicable country or other jurisdiction. The Client shall not take any action or permit to be taken any action on its behalf that would cause such sale of Securities to fail to: (i) qualify for such an exemption, or (ii) otherwise comply with such securities laws.
 - (f) Client represents and warrants that it will, at all times during the term of this Agreement, comply with all SEC rules and regulations, including, but not limited to, the rules and regulations promulgated pursuant to Regulation FD (Fair Disclosure) under the Securities and Exchange Act of 1934, as amended, relating to the selective disclosure of material nonpublic information.
 - (g) Client will cause its advisors to address and deliver to Client, CA and Rodman an opinion, dated as of the Closing with respect to such matters as CA shall reasonably request, including, without limitation, an opinion of its legal advisor that any sale of the Securities was exempt from the registration requirements of the Securities Act of 1933. Client agrees that CA and Rodman shall be entitled to rely on any opinions, whether delivered to CA and Rodman or to Investors issued by Client's advisors in connection with the Private Placement and resale of the Securities under the Registration Statement.

- (h) If reasonably requested, client will prepare and furnish CA and Rodman with a private placement memorandum (which, together with any appendices and exhibits thereto and amendments or supplements thereto, is referred to as the "Offering Materials") relating to the proposed sale of Securities. Client authorizes CA and Rodman to transmit the Offering Materials to prospective purchasers of the Securities and represents and warrants that the Offering Materials at all times through the Closing, will not contain any untrue statement of a material fact or omit to state any material fact required to be stated therein or necessary to make the statements contained therein, in light of the circumstances under which they were made, not misleading. Client will not transmit the Offering Materials to prospective Purchasers without first consulting CA.
- (i) For a period ending on the earlier of (i) ninety (90) days from the effective date of the Registration Statement or (ii) one hundred fifty (150) days from the closing of the Private Placement, Client will not, without the prior written consent of CA, sell, contract to sell or otherwise dispose of or issue any securities of Client, except pursuant to previously issued options, any agreements providing for anti-dilution or other stock purchase or share issuance rights in existence on the date hereof, any employee benefit or similar plan of Client in existence on the date hereof or duly adopted hereafter, or any technology license agreement, strategic alliance or joint venture in existence on the date hereof or which Client may enter into hereafter.
- (j) During the time the Registration Statement is effective covering the resales of any Securities sold to Investors, Client will furnish to CA and Rodman:
 - (i) as soon as practicable (but in the case of the annual report of Client to its stockholders, within 120 days after the end of each fiscal year of the Client), one copy of: (*a*) its annual report to its stockholders (which annual report shall contain financial statements audited in accordance with generally accepted accounting principles in the United States by a firm of certified public accountants of recognized standing), (*b*) if not included in substance in its annual report to stockholders, its annual report on Form 10-K, (*c*) each of its quarterly reports to its stockholders and, if not included in substance in its quarterly report to stockholders, its quarterly report to stockholders, its quarterly report on Form 10-Q and any other document or agreement that is incorporated by reference into the Registration Statement, and (*d*) the full Registration Statement (the foregoing in each case, excluding exhibits); and
 - (ii) upon reasonable request, all exhibits excluded by the parenthetical to the last clause of the immediately preceding paragraph and all other information that is generally available to the public.

The parties agree that the filing of any document by Client on EDGAR shall be deemed furnished to CA and Rodman.

- 4. <u>Fees</u>. In consideration for its services hereunder, Client shall pay to CA and Rodman the following fees with such cash amounts payable by wire transfer of immediately available funds:
 - (a) Upon and subject to the closing of a Private Placement, a closing fee (the "Placement Fee") equal to 6% of the Gross Proceeds (as hereinafter defined). CA shall receive 75% of such Placement Fee and Rodman shall receive 25% of such Placement Fee.

For purposes hereof, the term "Gross Proceeds" shall mean the aggregate proceeds received by Client from any Investor or Investors at the closing (or closings if there shall be more than one) of the Private Placement.

- 5. <u>Expenses</u>. In addition to any fees that may be payable to CA and Rodman hereunder and regardless of whether any Private Placement is consummated, Client hereby agrees, from time to time upon CA's request, to reimburse CA and Rodman for (a) all reasonable fees and disbursements of a single counsel retained by CA and Rodman, (b) all of CA's and Rodman's reasonable travel and related expenses arising out of CA's and Rodman's engagement hereunder, and (c) any other reasonable out-of-pocket expenses incurred by CA and Rodman in connection with the performance of their services hereunder, provided that the maximum reimbursable amount under this Section 5 shall be \$75,000.
- 6. <u>Confidentiality</u>. Client acknowledges that this Agreement and all opinions and advice (whether written or oral) given by CA and Rodman to Client in connection with CA's and Rodman's engagement are intended solely for the benefit and use of Client. Client further acknowledges that none of CA's and Rodman's opinions or financial advice will be disclosed, without the prior written consent of CA and Rodman, except as required by law, as the basis for negotiations with respect to any transactions involving Client. Each of CA and Rodman agrees as to itself only that any non-public information relating to Client or any potential Investor received by CA or Rodman from or at the direction of Client will be used by such person solely for the purpose of performing their agency and advisory roles and that such person will maintain the confidentiality thereof. Notwithstanding the foregoing, each of CA and Rodman may disclose confidential information hereunder (i) to such of its employees and advisors as CA or Rodman, as applicable, determines have a need to know and who are bound to hold such information confidential, and (ii) to the extent necessary to comply with any order or other action of a court or administrative agency of competent jurisdiction.
- 7. <u>Due Diligence</u>. It is understood that CA's and Rodman's role in the Private Placement will be subject to the satisfactory completion of investigation and inquiry into the affairs of Client as CA and Rodman deems appropriate and necessary under the circumstances ("Due Diligence") and the approval of CA's and Rodman's internal committees, to the extent required by such person's applicable regulations and/or policies. Each of CA and Rodman shall have the right, in its sole discretion, to terminate its involvement in the Private Placement if the outcome of the Due Diligence is not to its satisfaction or if approval of its internal committee (if required) is not obtained ("Early Termination").

- 8. <u>Term: Exclusivity</u>. The term of the Agreement shall extend from the date hereof until the earlier of January 31, 2008 or Early Termination by both CA and Rodman. During the term of this Agreement, Client will not, and will not permit its representatives, to: (i) contact or solicit institutions, corporations or other entities as potential purchasers of the Securities; or pursue any financing transaction in lieu of the contemplated Private Placement. Furthermore, Client agrees that during the term of this Agreement, all inquiries, whether direct or indirect, from prospective Investors will be referred to CA and Rodman and such potential Investors will be deemed to have been contacted by CA and Rodman in connection with the Private Placement. Client may reject an investment by any potential Investor if, in its discretion, Client believes that the inclusion of such Investor as a purchaser of the Securities would be incompatible with the best interests of Client. Client shall not be obligated to sell the Securities or to accept any offer therefor, and the terms of such Securities and the final decision to issue the same shall be subject to the discretionary approval of Client.
- 9. Termination of Engagement.
 - (a) (1) CA's engagement hereunder shall terminate upon the earlier to occur of: (i) Early Termination by CA; (ii) the closing of the Private Placement; (iii) the earlier termination of this Agreement by either Client or CA at any time for any reason, upon fifteen (15) days written notice to the other party.
 - (2) Rodman's engagement hereunder shall terminate upon the earlier to occur of: (i) Early Termination by Rodman; (ii) the closing of the Private Placement; (iii) the earlier termination of this Agreement by either Client or Rodman at any time for any reason, upon fifteen (15) days written notice to the other party.

The agreement may be extended beyond January 31, 2008 if Client and CA and/or Rodman agree to such extension in writing. In the event this Agreement is terminated prior to the closing of the Private Placement, the rights and obligations of the parties shall cease except as set forth in Section 6 and Section 9.

(b) If a closing of the Private Placement occurs or if this Agreement is terminated by Client pursuant to clause (a)(1)(iii) or clause (a)(2)(iii) above, each of CA and Rodman will be entitled to its respective full fee under Section 4 hereof in the event that at any time prior to the expiration of six (6) months after the termination of this Agreement, a Private Placement or other similar non-public transaction (other than any transaction in which Client is the acquiror) is consummated with, or Client reaches an agreement in principle for the sale of Securities or securities similar to the Securities to, any Investor which CA and/or Rodman previously solicited in connection with the Private Placement. Upon Client's request, at the termination or expiration of this Agreement. Notwithstanding the foregoing, in no event shall CA or Rodman be entitled to a fee pursuant to the terms of this Section 9(b) with respect to any Existing Investor. For purposes hereof, "Existing Investor" shall mean any entity or person that has acquired Securities of Client on or subsequent to January 1, 2005 and prior to the date of hereof.

- (c) The provisions of Section 9(b) and of Sections 3, 4, 5, 6, 10 and 11 hereof shall survive such termination.
- 10. Indemnification; Contribution. Client agrees to indemnify and hold harmless each of CA and Rodman (together with their affiliates and their respective control persons, directors, officers, employees and agents, "Indemnified Persons") to the fullest extent permitted by law against any and all claims, losses, damages, liabilities, costs and expenses as incurred (including all reasonable fees and disbursements of counsel and all reasonable travel and other out-of-pocket expenses reasonably incurred in connection with the investigation of, preparation for and defense of any pending or threatened claim, action, proceeding or investigation and any litigation or other proceeding arising therefrom, to which an Indemnified Person may become subject) (collectively, "Damages") arising out of or related to any actual or proposed Private Placement or CA's and Rodman's engagement hereunder; provided, however, that there shall be excluded from such indemnification any such portion of such Damages as are found in a final judgment by a court of competent jurisdiction to have resulted solely from the willful misconduct or gross negligence on the part of the Indemnified Person, other than any action undertaken at the written request or with the written consent of Client. The foregoing indemnification obligation is in addition to, and not in limitation of, any other rights CA and/or Rodman may have, including but not limited to any right of contribution. In the event that the foregoing indemnity is unavailable or insufficient to hold harmless an Indemnified Person, then Client shall contribute to amounts paid or payable by an Indemnified Person in respect of such Damages in such proportion as appropriately reflects the relative benefits received by it on the one hand and CA and/or Rodman, as applicable, on the other. If applicable law does not permit allocation solely on the basis of benefits, then such contribution shall be made in such proportion as appropriately reflects both the relative benefits and relative fault of the parties and other relevant equitable considerations. The foregoing is subject to the limitation that in no event shall either CA's or Rodman's aggregate contributions in respect of Damages exceed the amount of fees actually received by such person pursuant to this Agreement. For purposes hereof, relative benefits to Client, CA and Rodman of the Private Placement or other similar transaction shall be deemed to be in the same proportion that the total value paid or received or contemplated to be paid or received by Client and/or its security holders in connection with the Private Placement or other similar transaction bears to the fees paid to CA and Rodman, respectively, pursuant to their engagement in respect of such Private Placement. CA and/or Rodman shall promptly notify Client of any claim or threatened claim being asserted against such person which would give rise to an indemnification hereunder, and agrees that Client shall have the right to participate in the defense of any such claim and, to the extent that Client shall wish, to assume the defense thereof and shall pay as incurred the fees and disbursements of such counsel related to such proceeding. In any such proceeding, CA and Rodman shall have the right to retain their own counsel at

Client's expense. Client will not enter into any waiver, release or settlement with respect to any threatened or pending claim, action, proceeding or investigation or settle any litigation arising therefrom in respect of which indemnification hereunder may be sought (whether or not Indemnified Persons are a formal party thereto) without the prior written consent of CA (which consent shall not be unreasonably withheld or delayed), unless such waiver, release or settlement includes an unconditional release of each of CA and Rodman from any and all liability arising out of such threatened or pending claim, action, proceeding, investigation or litigation.

- 11. <u>Governing Law; Jurisdiction</u>. This Agreement shall be governed by and construed in accordance with the laws of the State of New York without regard to the conflicts of law provisions thereof. Any right to trial by jury with respect to any claim, action, suit or proceeding arising out of this Agreement or any of the matters contemplated hereby is waived by each of Client, CA and Rodman. Client, CA and Rodman hereby each submit to the non-exclusive jurisdiction of the Federal and State courts located in the County of New York, State of New York, in connection with any dispute related to this Agreement or any of the matters contemplated hereby.
- 12. Reliance on Others. Client confirms that it will rely on its own counsel and accountants for legal and accounting advice.
- 13. <u>Attorneys Fees</u>. In the event of any dispute or litigation or other proceeding between the parties with respect to any provision of this Agreement or arising from the engagement contemplated under this Agreement, the prevailing party shall be entitled to recover from the non-prevailing party any and all of the reasonable fees and disbursements of the prevailing party's attorney to the extent that they relate to such dispute, litigation, or other proceeding.
- 14. <u>Miscellaneous</u>. Nothing in this Agreement is intended to obligate or commit either CA or Rodman to provide any services other than as set forth above. This Agreement may be executed in counterparts, each of which shall be deemed an original, but which together shall be considered a single instrument. This Agreement constitutes the entire agreement among the parties hereto, and supersedes all prior agreements and understandings (both written and oral) of the parties hereto with respect to the subject matter hereof, and cannot be amended or otherwise modified except in writing executed by the parties hereto. No party may assign its rights or delegate its obligations hereunder without the prior written consent of the other parties. Each of Client, CA and Rodman represents and warrants that it has the requisite power and authority to enter into and carry out the terms and provisions of this Agreement and that the execution, delivery and performance of this Agreement does not breach or conflict with any agreement, document or instrument to which it is a party or bound.

If you are in agreement with the foregoing, please sign where indicated below, whereupon this Agreement shall become effective as of the date hereof.

Sincerely,

CANACCORD ADAMS INC.

By: /s/ David J. Strupp, Jr.

Name: David J. Strupp, Jr. Title: Managing Director

RODMAN & RENSHAW, LLC

By: /s/ Edward Rubin

Name: Edward Rubin Title: President

ACCEPTED AND AGREED:

TITAN PHARMACEUTICALS, INC.

By: <u>/s/ Marc Rubin</u> Name: Marc Rubin Title: President and CEO

Date: 11/28/07

SECURITIES PURCHASE AGREEMENT

This Securities Purchase Agreement (this "*Agreement*") is dated as of December 17, 2007, by and among Titan Pharmaceuticals, Inc., a Delaware corporation (the "*Company*"), and each purchaser identified on the signature pages hereto (each, including its successors and assigns, a "*Purchaser*" and collectively, the "*Purchasers*").

RECITALS

A. The Company and each Purchaser is executing and delivering this Agreement in reliance upon the exemption from securities registration afforded by Section 4(2) of the Securities Act of 1933, as amended (the "Securities Act"), and Rule 506 of Regulation D ("*Regulation D*") as promulgated by the United States Securities and Exchange Commission (the "Commission") under the Securities Act.

B. Each Purchaser, severally and not jointly, wishes to purchase, and the Company wishes to sell, upon the terms and conditions stated in this Agreement, (i) that aggregate number of shares of the common stock, par value \$0.001 per share (the "*Common Stock*"), of the Company, set forth below such Purchaser's name on the signature page of this Agreement (which aggregate amount for all Purchasers together shall be 13,300,000 shares of Common Stock and shall be collectively referred to herein as the "*Shares*") and (ii) warrants, in substantially the form attached hereto as <u>Exhibit A</u> (the "*Warrants*"), to acquire up to that number of additional shares of Common Stock equal to 50% of the number of Shares purchased by such Purchaser (rounded up to the nearest whole share) (the shares of Common Stock issuable upon exercise of or otherwise pursuant to the Warrants collectively are referred to herein as the "*Warrant Shares*").

C. The Shares, the Warrants and the Warrant Shares collectively are referred to herein as the "Securities".

D. The Company has engaged Canaccord Adams Inc. ("*Canaccord*") as its lead placement agent and Rodman & Renshaw, LLC as its co-placement agent (together with Canaccord, the "*Placement Agents*") for the offering of the Securities on a "best efforts" basis.

E. Contemporaneously with the execution and delivery of this Agreement, the parties hereto are executing and delivering a Registration Rights Agreement, substantially in the form attached hereto as Exhibit B (the "*Registration Rights Agreement*"), pursuant to which, among other things, the Company will agree to provide certain registration rights with respect to the Shares and the Warrant Shares under the Securities Act and the rules and regulations promulgated thereunder and applicable state securities laws.

NOW, THEREFORE, IN CONSIDERATION of the mutual covenants contained in this Agreement, and for other good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, the Company and the Purchasers hereby agree as follows:

ARTICLE I. DEFINITIONS

1.1 <u>Definitions</u>. In addition to the terms defined elsewhere in this Agreement, for all purposes of this Agreement, the following terms shall have the meanings indicated in this Section 1.1:

"Action" means any action, suit, inquiry, notice of violation, proceeding (including any partial proceeding such as a deposition) or investigation pending or, to the Company's Knowledge, threatened in writing against the Company, any Subsidiary or any of their respective properties or any officer, director or employee of the Company or any Subsidiary acting in his or her capacity as an officer, director or employee before or by any federal, state, county, local or foreign court, arbitrator, governmental or administrative agency, regulatory authority, stock market, stock exchange or trading facility.

"Affiliate" means, with respect to any Person, any other Person that, directly or indirectly through one or more intermediaries, Controls, is controlled by or is under common control with such Person, as such terms are used in and construed under Rule 144. With respect to a Purchaser, any investment fund or managed account that is managed on a discretionary basis by the same investment manager as such Purchaser will be deemed to be an Affiliate of such Purchaser.

"Agreement" shall have the meaning ascribed to such term in the Preamble.

"Business Day" means a day, other than a Saturday or Sunday, on which banks in New York City are open for the general transaction of business.

"Buy-In" has the meaning set forth in Section 4.1(f).

"Buy-In Price" has the meaning set forth in Section 4.1(f).

"Closing" means the closing of the purchase and sale of the Shares and the Warrants pursuant to this Agreement.

"Closing Bid Price" means, for any security as of any date, the last closing price for such security on the Principal Trading Market, as reported by Bloomberg, or, if the Principal Trading Market begins to operate on an extended hours basis and does not designate the closing bid price then the last bid price of such security prior to 4:00:00 p.m., New York City Time, as reported by Bloomberg, or, if the Principal Trading Market is not the principal securities exchange or trading market for such security, the last closing price of such security on the principal securities exchange or trading market where such security is listed or traded as reported by Bloomberg, or if the foregoing do not apply, the last closing price of such security in the over-the-counter market on the electronic bulletin board for such security as reported by Bloomberg, or, if no closing bid price is reported for such security by Bloomberg, the average of the bid prices of any market makers for such security as reported in the "pink sheets" by Pink Sheets LLC (formerly the National Quotation Bureau, Inc.). If the Closing Bid Price cannot be calculated for a security on a particular date on any of the foregoing bases, the Closing Bid Price of such security on such date shall be the fair market value as mutually determined by the Company and the holder. If the Company and the holder are unable to agree upon the fair market value of such security, then such dispute shall be resolved pursuant to Section 10 of the Warrants. All such determinations shall be appropriately adjusted for any stock dividend, stock split, stock combination or other similar transaction during the applicable calculation period.

"*Closing Date*" means the Trading Day when all of the Transaction Documents have been executed and delivered by the applicable parties thereto, and all of the conditions set forth in Sections 2.1, 2.2, 5.1 and 5.2 hereof are satisfied, or such other date as the parties may agree.

"Commission" has the meaning set forth in the Recitals.

"Common Stock" has the meaning set forth in the Recitals, and also includes any securities into which the Common Stock may hereafter be reclassified or changed.

"Common Stock Equivalents" means any securities of the Company or any Subsidiary which would entitle the holder thereof to acquire at any time Common Stock, including, without limitation, any debt, preferred stock, rights, options, warrants or other instrument that is at any time convertible into or exchangeable for, or otherwise entitles the holder thereof to receive, Common Stock or other securities that entitle the holder to receive, directly or indirectly, Common Stock.

"Company Counsel" means Loeb & Loeb LLP.

"Company Deliverables" has the meaning set forth in Section 2.2(a).

"Company's Knowledge" means with respect to any statement made to the knowledge of the Company, that the statement is based upon the actual knowledge of the officers of the Company having responsibility for the matter or matters that are the subject of the statement.

"*Control*" (including the terms "controlling", "controlled by" or "under common control with") means the possession, direct or indirect, of the power to direct or cause the direction of the management and policies of a Person, whether through the ownership of voting securities, by contract or otherwise.

"Disclosure Materials" has the meaning set forth in Section 3.1(h).

"Effective Date" means the date on which the initial Registration Statement required by Section 2(a) of the Registration Rights Agreement is first declared effective by the Commission.

"Effectiveness Deadline" means the date on which the initial Registration Statement is required to be declared effective by the Commission under the terms of the Registration Rights Agreement.

"Environmental Laws" has the meaning set forth in Section 3.1(1).

"Escrow Agreement" means that certain Escrow Agreement of even date herewith executed by the Company, Canaccord and the Escrow Agent.

"Exchange Act" means the Securities Exchange Act of 1934, as amended, or any successor statute, and the rules and regulations promulgated thereunder.

"GAAP" means U.S. generally accepted accounting principles, as applied by the Company.

"Indemnified Person" has the meaning set forth in Section 4.10(b).

"Intellectual Property" has the meaning set forth in Section 3.1(r).

"Irrevocable Transfer Agent Instructions" means, with respect to the Company, the Irrevocable Transfer Agent Instructions, in the form of Exhibit E, executed by the Company and delivered to and acknowledged in writing by the Transfer Agent.

"Lien" means any lien, charge, claim, encumbrance, security interest, right of first refusal, preemptive right or other restrictions of any kind.

"Material Adverse Effect" means any of (i) a material and adverse effect on the legality, validity or enforceability of any Transaction Document, (ii) a material and adverse effect on the results of operations, assets, prospects, business or financial condition of the Company and the Subsidiaries, taken as a whole, or (iii) any adverse impairment to the Company's ability to perform in any material respect on a timely basis its obligations under any Transaction Document.

"*Material Contract*" means any contract of the Company that was filed (or should have been filed) as an exhibit to the SEC Reports pursuant to Item 601(b)(4) or Item 601(b)(10) of Regulation S-K.

"Material Permits" has the meaning set forth in Section 3.1(p).

"New York Courts" means the state and federal courts sitting in the City of New York, Borough of Manhattan.

"Outside Date" means the thirtieth day following the date of this Agreement.

"Person" means an individual, corporation, partnership, limited liability company, trust, business trust, association, joint stock company, joint venture, sole proprietorship, unincorporated organization, governmental authority or any other form of entity not specifically listed herein.

"Principal Trading Market" means the Trading Market on which the Common Stock is primarily listed on and quoted for trading, which, as of the date of this Agreement and the Closing Date, shall be the American Stock Exchange.

"Proceeding" means an action, claim, suit, investigation or proceeding (including, without limitation, an investigation or partial proceeding, such as a deposition), whether commenced or threatened.

"Purchase Price" means \$1.60 per unit.

"Purchaser Deliverables" has the meaning set forth in Section 2.2(b).

"Purchaser Party" has the meaning set forth in Section 4.10(a).

"Registration Rights Agreement" has the meaning set forth in the Recitals.

"Registration Statement" means a registration statement meeting the requirements set forth in the Registration Rights Agreement and covering the resale by the Purchasers of the Registrable Securities (as defined in the Registration Rights Agreement).

"Required Approvals" has the meaning set forth in Section 3.1(e).

"Rule 144" means Rule 144 promulgated by the Commission pursuant to the Securities Act, as such Rule may be amended from time to time, or any similar rule or regulation hereafter adopted by the Commission having substantially the same effect as such Rule.

"SEC Reports" has the meaning set forth in Section 3.1(h).

"Secretary's Certificate" has the meaning set forth in Section 2.2(a)(vi).

"Securities Act" means the Securities Act of 1933, as amended.

"Short Sales" include, without limitation, all "short sales" as defined in Rule 200 promulgated under Regulation SHO under the Exchange Act, whether or not against the box, and all types of direct and indirect stock pledges, forward sale contracts, options, puts, calls, short sales, swaps, "put equivalent positions" (as defined in Rule 16a-1(h) under the Exchange Act) and similar arrangements (including on a total return basis), and sales and other transactions through non-U.S. broker dealers or foreign regulated brokers.

"Subscription Amount" means with respect to each Purchaser, the aggregate amount to be paid for the Shares and the related Warrants purchased hereunder as indicated on such Purchaser's signature page to this Agreement next to the heading "Aggregate Purchase Price (Subscription Amount)".

"Subsidiary" means any entity in which the Company, directly or indirectly, owns capital stock or holds an equity or similar interest.

"Trading Affiliate" has the meaning set forth in Section 3.2(h).

"Trading Day" means (i) a day on which the Common Stock is listed or quoted and traded on its Principal Trading Market (other than the OTC Bulletin Board), or (ii) if the Common Stock is not listed on a Trading Market (other than the OTC Bulletin Board), a day on which the Common Stock is traded in the over-the-counter market, as reported by the OTC Bulletin Board, or (iii) if the Common Stock is not listed on any Trading Market, a day on which the Common Stock is quoted in the over-the-counter market as reported in the over-the-counter market as reported in the "pink sheets" by Pink Sheets LLC (or any similar organization or agency succeeding to its functions of reporting prices); *provided*, that in the event that the Common Stock is not listed or quoted as set forth in (i), (ii) and (iii) hereof, then Trading Day shall mean a Business Day.

"Trading Market" means whichever of the New York Stock Exchange, the American Stock Exchange, the Nasdaq Global Select Market, the Nasdaq Global Market, the Nasdaq Capital Market or the OTC Bulletin Board on which the Common Stock is listed or quoted for trading on the date in question.

"Transaction Documents" means this Agreement, the schedules and exhibits attached hereto, the Warrants, the Registration Rights Agreement, the Escrow Agreement, the Irrevocable Transfer Agent Instructions and any other documents or agreements executed in connection with the transactions contemplated hereunder.

"Transfer Agent" means Continental Stock Transfer & Trust Company, or any successor transfer agent for the Company.

"Warrants" has the meaning set forth in the Recitals to this Agreement.

ARTICLE II. PURCHASE AND SALE

2.1 Closing.

(a) <u>Amount</u>. Subject to the terms and conditions set forth in this Agreement, at the Closing, the Company shall issue and sell to each Purchaser, and each Purchaser shall, severally and not jointly, purchase from the Company, such number of Shares equal to the quotient resulting from dividing (i) the Subscription Amount for such Purchaser by (ii) the Purchase Price, rounded down to the nearest whole Share. In addition, each Purchaser shall receive a Warrant to purchase a number of Warrant Shares equal to 50% of the number of Shares purchased by such Purchaser, as indicated below such Purchaser's name on the signature page to this Agreement. The Warrants shall have an exercise price equal to \$2.00 per Warrant Share.

(b) <u>Closing</u>. The Closing of the purchase and sale of the Shares and Warrants shall take place at the offices of Lowenstein Sandler PC, 1251 Avenue of the Americas, New York, New York on the Closing Date or at such other locations or remotely by facsimile transmission or other electronic means as the parties may mutually agree.



(c) Form of Payment. Unless otherwise agreed to by the Company and a Purchaser, on or prior to the Business Day immediately prior to the Closing Date, each Purchaser shall wire its Subscription Amount, in United States dollars and in immediately available funds, in accordance with the written wire instructions as set forth on Exhibit H hereto. On the Closing Date, (i) the Company shall irrevocably instruct the Transfer Agent to deliver to each Purchaser one or more stock certificates, free and clear of all restrictive and other legends (except as expressly provided in Section 4.1(b) hereof), evidencing the number of Shares such Purchaser is purchasing as is set forth on such Purchaser's signature page to this Agreement next to the heading "Number of Shares to be Acquired", within three (3) Business Days after the Closing and (ii) the Company shall issue to each Purchaser a Warrant pursuant to which such Purchaser shall have the right to acquire such number of Warrant Shares as is set forth on such Purchaser's signature page to twarrant, in each case duly executed on behalf of the Company and registered in the name of such Purchaser.

(d) Escrow.

(i) Unless otherwise agreed to by the Company and a Purchaser, simultaneously with the execution and delivery of this Agreement by a Purchaser, such Purchaser shall promptly cause a wire transfer of immediately available funds (U.S. dollars) in an amount representing such Purchaser's Subscription Amount to be paid to a non-interest bearing escrow account of Lowenstein Sandler PC (the "*Escrow Agent*") set forth on <u>Exhibit G</u> attached hereto (the aggregate amounts received being held in escrow by the Escrow Agent are referred to herein as the "*Escrow Amount*").

(ii) The Escrow Agent shall continue to hold the Escrow Amount in escrow in accordance with and subject to this Agreement and the Escrow Agreement, from the date of its receipt of the funds constituting the Escrow Amount until the soonest of:

(A) in the case of the termination of this Agreement in accordance with Section 6.18, in which case, if the Escrow Agent then holds any portion of the Escrow Amount, then: (1) in the event of a termination by the Company, the Escrow Agent shall return the portion of the Escrow Amount received from each Purchaser which it then holds, to each such Purchaser, and in the event of a termination by a Purchaser, the Escrow Agent shall return the portion of the Escrow Amount received from such Purchaser which it then holds, to such Purchaser, in accordance with written wire transfer instructions received from the Purchaser; and (2) if the Escrow Agent has not received written wire transfer instructions from any Purchaser before the 30^{th} day after such termination date, then the Escrow Agent may, in its sole and absolute discretion, either (x) deposit that portion of the Escrow Agent shall thereafter have no further liability with respect to such deposited funds, or (y) continue to hold such portion of the Escrow Amount pending receipt of written wire transfer instructions from a court of competent jurisdiction; <u>OR</u>

(B) in the case of the Closing, receipt of written instructions from the Company and Canaccord that the Closing shall have been consummated, in which case, the Escrow Agent shall release the Escrow Amount constituting the aggregate purchase price as follows: (1) to Canaccord, the fees and reimbursable expenses payable to the Placement Agents (which fees and expenses shall be set forth in such instructions), and (2) the balance of the aggregate purchase price to the Company.

(iii) The Escrow Agent has acted as legal counsel to the Placement Agents in connection with this Agreement and the other Transaction Documents, is merely acting as a stakeholder under this Agreement and is, therefore, hereby authorized to continue acting as legal counsel to the Placement Agents including, without limitation, with regard to any dispute arising out of this Agreement, the other Transaction Documents, the Escrow Amount or any other matter. The Purchasers hereby expressly consent to permit the Escrow Agent to represent the Placement Agents in connection with all matters relating to this Agreement, including, without limitation, with regard to any dispute arising out of this Agreement, the other Transaction Documents, the Escrow Amount or any other matters relating to this Agreement, including, without limitation, with regard to any dispute arising out of this Agreement, the other Transaction Documents, the Escrow Amount or any other matter, and hereby waives any conflict of interest or appearance of conflict or impropriety with respect to such representation. Each of the Purchasers has consulted with its own counsel specifically about this Section 2.1(d) to the extent they deemed necessary, and has entered into this Agreement after being satisfied with such advice.

(iv) The provisions of this Section 2.1(d) shall survive any termination of this Agreement.

2.2 <u>Closing Deliveries</u>. (a) On or prior to the Closing, the Company shall issue, deliver or cause to be delivered to each Purchaser the following (the "*Company Deliverables*"):

(i) this Agreement, duly executed by the Company;

(ii) facsimile copies of one or more stock certificates, free and clear of all restrictive and other legends (except as provided in Section 4.1(b) hereof), evidencing the Shares subscribed for by Purchaser hereunder, registered in the name of such Purchaser as set forth on the Stock Certificate Questionnaire included as <u>Exhibit C-2</u> hereto (the "*Stock Certificates*"), with the original Stock Certificates delivered within three (3) Business Days of Closing;

(iii) a Warrant, executed by the Company and registered in the name of such Purchaser as set forth on the Stock Certificate Questionnaire included as <u>Exhibit C-2</u> hereto, pursuant to which such Purchaser shall have the right to acquire such number of Warrant Shares equal to 50% of the number of Shares issuable to such Purchaser pursuant to Section 2.2(a)(ii), rounded up to the nearest whole share, on the terms set forth therein;

(iv) a legal opinion of Company Counsel, dated as of the Closing Date and in the form attached hereto as <u>Exhibit D</u>, executed by such counsel and addressed to the Purchasers and the Placement Agents;

(v) the Registration Rights Agreement, duly executed by the Company;

(vi) duly executed Irrevocable Transfer Agent Instructions acknowledged in writing by the Transfer Agent;

(vii) a certificate of the Secretary of the Company (the "Secretary's Certificate"), dated as of the Closing Date, (a) certifying the resolutions adopted by the Board of Directors of the Company or a duly authorized committee thereof approving the transactions contemplated by this Agreement and the other Transaction Documents and the issuance of the Securities, (b) certifying the current versions of the certificate or articles of incorporation, as amended, and by-laws of the Company and (c) certifying as to the signatures and authority of persons signing the Transaction Documents and related documents on behalf of the Company, in the form attached hereto as Exhibit F;

(viii) the Compliance Certificate referred to in Section 5.1(h);

(ix) a certificate evidencing the formation and good standing of the Company in it's jurisdiction of formation issued by the Secretary of State (or comparable office) of such jurisdiction, as of a date within five (5) days of the Closing Date;

(x) a certificate evidencing the Company's qualification as a foreign corporation and good standing issued by the Secretary of State (or comparable office) of each jurisdiction in which the Company is qualified to do business as a foreign corporation, as of a date within ten (10) days of the Closing Date; and

(xi) a certified copy of the Certificate of Incorporation, as certified by the Secretary of State of the State (or comparable office) of such entity's jurisdiction of formation, as of a date within ten (10) days of the Closing Date.

(b) On or prior to the Closing, each Purchaser shall deliver or cause to be delivered to the Company the following (the "*Purchaser Deliverables*"):

(i) this Agreement, duly executed by such Purchaser;

(ii) its Subscription Amount, in United States dollars and in immediately available funds, in the amount set forth as the "Purchase Price" indicated below such Purchaser's name on the applicable signature page hereto under the heading "Aggregate Purchase Price (Subscription Amount)" by wire transfer to the escrow account set forth on <u>Exhibit H</u> attached hereto or as otherwise agreed to by the Company and a Purchaser;

(iii) the Registration Rights Agreement, duly executed by such Purchaser;

(iv) a fully completed and duly executed Selling Stockholder Questionnaire in the form attached as Annex B to the Registration Rights Agreement; and

(v) a fully completed and duly executed Accredited Investor Questionnaire and Stock Certificate Questionnaire in the forms attached hereto as Exhibits C-1 and C-2, respectively.

ARTICLE III.

REPRESENTATIONS AND WARRANTIES

3.1 <u>Representations and Warranties of the Company</u>. The Company hereby represents and warrants as of the date hereof and the Closing Date (except for the representations and warranties that speak as of a specific date, which shall be made as of such date), to each of the Purchasers and to the Placement Agents that, except as set forth in the SEC Reports or the Schedules delivered herewith:

(a) <u>Subsidiaries</u>. The Company has no direct or indirect Subsidiaries other than those listed in <u>Schedule 3.1(a)</u> hereto. Except as disclosed in <u>Schedule 3.1(a)</u> hereto, the Company owns, directly or indirectly, all of the capital stock or comparable equity interests of each Subsidiary free and clear of any and all Liens, and all the issued and outstanding shares of capital stock or comparable equity interest of each Subsidiary are validly issued and are fully paid, non-assessable and free of preemptive and similar rights to subscribe for or purchase securities.

(b) <u>Organization and Qualification</u>. The Company and each of its Subsidiaries is an entity duly incorporated or otherwise organized, validly existing and in good standing under the laws of the jurisdiction of its incorporation or organization (as applicable), with the requisite corporate power and authority to own or lease and use its properties and assets and to carry on its business as currently conducted. Neither the Company nor any Subsidiary is in violation of any of the provisions of its respective certificate or articles of incorporation, bylaws or other organizational or charter documents. The Company and each of its Subsidiaries is duly qualified to conduct business and is in good standing as a foreign corporation or other entity in each jurisdiction in which the nature of the business conducted or property owned by it makes such

qualification necessary, except where the failure to be so qualified or in good standing, as the case may be, would not have a Material Adverse Effect, and no Proceeding has been instituted, is pending, or, to the Company's Knowledge, has been threatened in writing in any such jurisdiction revoking, limiting or curtailing or seeking to revoke, limit or curtail such power and authority or qualification.

(c) Authorization; Enforcement; Validity. The Company has the requisite corporate power and authority to enter into and to consummate the transactions contemplated by each of the Transaction Documents to which it is a party and otherwise to carry out its obligations hereunder and thereunder. The Company's execution and delivery of each of the Transaction Documents to which it is a party and the consummation by it of the transactions contemplated hereby and thereby (including, but not limited to, the sale and delivery of the Shares and the Warrants and the reservation for issuance and the subsequent issuance of the Warrant Shares upon exercise of the Warrants) have been duly authorized by all necessary corporate action on the part of the Company, and no further corporate action is required by the Company, its Board of Directors or its stockholders in connection therewith other than in connection with the Required Approvals. Each of the Transaction Documents to which it is a party has been (or upon delivery will have been) duly executed by the Company and is, or when delivered in accordance with the terms hereof, will constitute the legal, valid and binding obligation of the Company enforceable against the Company in accordance with its terms, except (i) as such enforceability may be limited by applicable bankruptcy, insolvency, reorganization, moratorium, liquidation or similar laws relating to, or affecting generally the enforcement of, creditors' rights and remedies or by other equitable principles of general application, (ii) as limited by laws relating to the availability of specific performance, injunctive relief or other equitable remedies and (iii) insofar as indemnification and contribution provisions may be limited by applicable law. There are no stockholder agreements, voting agreements, or other similar arrangements with respect to the Company's capital stock to which the Company is a party or, to the Company's Knowledge, between or among any of the Company's stockholders.

(d) <u>No Conflicts</u>. The execution, delivery and performance by the Company of the Transaction Documents to which it is a party and the consummation by the Company of the transactions contemplated hereby or thereby (including, without limitation, the issuance of the Shares and Warrants and the reservation for issuance and issuance of the Warrant Shares) do not and will not (i) conflict with or violate any provisions of the Company's or any Subsidiary's certificate or articles of incorporation, bylaws or otherwise result in a violation of the organizational documents of the Company, (ii) conflict with, or constitute a default (or an event that with notice or lapse of time or both would result in a default) under, result in the creation of any Lien upon any of the properties or assets of the Company or any Subsidiary or give to others any rights of termination, amendment, acceleration or cancellation (with or without notice, lapse of time or both) of, any agreement, credit facility, debt or other instrument (evidencing a Company or Subsidiary debt or otherwise) or other understanding to which the Company or any Subsidiary is a party or by which any property or asset of the Company or any Subsidiary is bound, or affected, or (iii) subject to the Required Approvals, conflict with or result in a violation of any law, rule, regulation, order, judgment, injunction, decree or other restriction of any court or governmental authority to which the Company or a Subsidiary is subject (including federal and state securities laws and regulations and the rules and regulations, assuming the correctness of the representations and warranties made by the Purchasers herein, of any self-regulatory organization to which the Company or its securities are subject, including all applicable Trading Markets), or by which any property or asset of the Company or a Subsidiary is bound or affected, except in the case of clauses (ii) and (iii) such as would not, individually or in the aggregate, have a Material Adverse Effect.

(e) <u>Filings, Consents and Approvals</u>. Neither the Company nor any of its Subsidiaries is required to obtain any consent, waiver, authorization or order of, give any notice to, or make any filing or registration with, any court or other federal, state, local or other governmental authority or other Person in connection with the execution, delivery and performance by the Company of the Transaction Documents

(including the issuance of the Securities), other than (i) the filing with the Commission of one or more Registration Statements in accordance with the requirements of the Registration Rights Agreement, (ii) filings required by applicable state securities laws, (iii) the filing of a Notice of Sale of Securities on Form D with the Commission under Regulation D of the Securities Act, (iv) the filing of any requisite notices and/or application(s) to the Principal Trading Market for the issuance and sale of the Common Stock and the Warrants and the listing of the Common Stock for trading or quotation, as the case may be, thereon in the time and manner required thereby, (v) the filings required in accordance with Section 4.8 of this Agreement and (vi) those that have been made or obtained prior to the date of this Agreement (collectively, the *"Required Approvals"*).

(f) Issuance of the Securities. The Shares have been duly authorized and, when issued and paid for in accordance with the terms of the Transaction Documents, will be duly and validly issued, fully paid and nonassessable and free and clear of all Liens, other than restrictions on transfer provided for in the Transaction Documents or imposed by applicable securities laws, and shall not be subject to preemptive or similar rights. The Warrants have been duly authorized and, when issued and paid for in accordance with the terms of the Transaction Documents, will be duly and validly issued, free and clear of all Liens, other than restrictions on transfer provided for in the Transaction Documents or imposed by applicable securities laws, and shall not be subject to preemptive or similar rights of stockholders. The Warrant Shares issuable upon exercise of the Warrants have been duly authorized and, when issued and paid for in accordance with the terms of the Transaction Documents and the Warrants will be duly and validly issued, fully paid and nonassessable, free and clear of all Liens, other than restrictions on transfer provided for in the Transaction Documents or imposed by applicable securities laws, and shall not be subject to preemptive or similar rights of stockholders. Assuming the accuracy of the representations and warranties of the Purchasers in this Agreement, the Shares and the Warrant Shares will be issued in compliance with all applicable federal and state securities laws. As of the Closing Date, the Company shall have reserved from its duly authorized capital stock the number of shares of Common Stock issuable upon exercise of the Warrants (without taking into account any limitations on the exercise of the Warrants set forth in the Warrants). The Company shall, so long as any of the Warrants are outstanding, take all action necessary to reserve and keep available out of its authorized and unissued capital stock, solely for the purpose of effecting the exercise of the Warrants, 100% of the number of shares of Common Stock issuable upon exercise of the Warrants (without taking into account any limitations on the exercise of the Warrants set forth in the Warrants).

(g) <u>Capitalization</u>. The number of shares and type of all authorized, issued and outstanding capital stock, options and other securities of the Company (whether or not presently convertible into or exercisable or exchangeable for shares of capital stock of the Company) has been set forth in the SEC Reports and has changed since the date of such SEC Reports only due to stock grants or other equity awards or stock option and warrant exercises that do not, individually or in the aggregate, have a material affect on the issued and outstanding capital stock, options and other securities. All of the outstanding shares of capital stock of the Company are duly authorized, validly issued, fully paid and non-assessable, have been issued in compliance in all material respects with all applicable federal and state securities laws, and none of such outstanding shares was issued in violation of any preemptive rights or similar rights to subscribe for or purchase any capital stock of the Company. Except as specified in the SEC Reports: (i) no shares of the Company's outstanding capital stock are subject to preemptive rights or any other similar rights; (ii) there are no outstanding options, warrants, scrip, rights to subscribe to, calls or commitments of any character whatsoever relating to, or securities or rights convertible into, or exercisable or exchangeable for, any shares of capital stock of the Company, or contracts, commitments, understandings or arrangements by which the Company is or may become bound to issue additional shares of capital stock of the Company or options, warrants, scrip, rights to subscribe to, calls or commitments of any character whatsoever relating to, or securities or rights convertible into, or exercisable or exchangeable for, any shares of capital stock of the Company is or may become bound to issue additional shares of capital stock of the Company or options, warrants, scrip, rights to subscribe to, calls or commitments of any character whatsoever relating to, or securities or rights convert

Company is or may become bound; (iv) to the Company's Knowledge, there are no financing statements securing obligations in any material amounts, either singly or in the aggregate, filed in connection with the Company; (v) there are no agreements or arrangements under which the Company is obligated to register the sale of any of their securities under the Securities Act (except the Registration Rights Agreement); (vi) there are no outstanding securities or instruments of the Company or which contain any redemption or similar provisions, and there are no contracts, commitments, understandings or arrangements by which the Company is or may become bound to redeem a security of the Company; (vii) there are no securities or instruments containing anti-dilution or similar provisions that will be triggered by the issuance of the Securities; (viii) the Company does not have any stock appreciation rights or "phantom stock" plans or agreements or any similar plan or agreement; and (ix) the Company has no liabilities or obligations required to be disclosed in the SEC Reports, other than those incurred in the ordinary course of the Company's businesses and which, individually or in the aggregate, do not or would not have a Material Adverse Effect.

(h) <u>SEC Reports</u>. The Company has filed all reports, schedules, forms, statements and other documents required to be filed by it under the Exchange Act, including pursuant to Section 13(a) or 15(d) thereof, for the two years preceding the date hereof (or such shorter period as the Company was required by law or regulation to file such material) (the foregoing materials, including the exhibits thereto and documents incorporated by reference therein, being collectively referred to herein as the "*SEC Reports*" and together with this Agreement and the Schedules to this Agreement (if any), the "*Disclosure Materials*"), on a timely basis or has received a valid extension of such time of filing and has filed any such SEC Reports prior to the expiration of any such extension. As of their respective filing dates, or to the extent corrected by a subsequent restatement, the SEC Reports complied in all material respects with the requirements of the Securities Act and the Exchange Act and the rules and regulations of the Commission promulgated thereunder, and none of the SEC Reports, when filed, contained any untrue statement of a material fact or omitted to state a material fact required to be stated therein or necessary in order to make the statements therein, in light of the circumstances under which they were made, not misleading. All material agreements to which the Company or any Subsidiary is a party or to which the property or assets of the Company or any of its Subsidiaries are subject are included as part of or specifically identified in the SEC Reports.

(i) <u>Financial Statements</u>. The financial statements of the Company included in the SEC Reports comply in all material respects with applicable accounting requirements and the rules and regulations of the Commission with respect thereto as in effect at the time of filing (or to the extent corrected by a subsequent restatement). Such financial statements have been prepared in accordance with GAAP applied on a consistent basis during the periods involved, except as may be otherwise specified in such financial statements or the notes thereto and except that unaudited financial statements may not contain all footnotes required by GAAP, and fairly present in all material respects the financial position of the Company and its consolidated subsidiaries taken as a whole as of and for the dates thereof and the results of operations and cash flows for the periods then ended, subject, in the case of unaudited statements, to normal, year-end audit adjustments.

(j) <u>Tax Matters</u>. The Company and each of its Subsidiaries (i) has accurately and timely prepared and filed all foreign, federal and state income and all other tax returns, reports and declarations required by any jurisdiction to which it is subject, (ii) has paid all taxes and other governmental assessments and charges that are material in amount, shown or determined to be due on such returns, reports and declarations, except those being contested in good faith, with respect to which adequate reserves have been set aside on the books of the Company and (iii) has set aside on its books provisions reasonably adequate for the payment of all taxes for periods subsequent to the periods to which such returns, reports or declarations apply, except, in the case of clauses (i) and (ii) above, where the failure to so pay or file any such tax, assessment, charge or return would not have a Material Adverse Effect. There are no unpaid taxes in any material amount claimed to be due by the Company or any of its Subsidiaries by the taxing authority of any jurisdiction.

(k) Material Changes. Since the date of the latest financial statements included within the SEC Reports, except as specifically disclosed in the SEC Reports, (i) there have been no events, occurrences or developments that have had or would reasonably be expected to have, either individually or in the aggregate, a Material Adverse Effect, (ii) the Company has not incurred any material liabilities (contingent or otherwise) other than (A) trade payables, accrued expenses and other liabilities incurred in the ordinary course of business consistent with past practice and (B) liabilities not required to be reflected in the Company's financial statements pursuant to GAAP or required to be disclosed in filings made with the Commission, (iii) the Company has not altered materially its method of accounting or the manner in which it keeps its accounting books and records, (iv) the Company has not declared or made any dividend or distribution of cash or other property to its stockholders or purchased, redeemed or made any agreements to purchase or redeem any shares of its capital stock (other than in connection with repurchases of unvested stock issued to employees of the Company), (v) the Company has not issued any equity securities to any officer, director or Affiliate, except Common Stock issued in the ordinary course as dividends on outstanding preferred stock or issued pursuant to existing Company stock option or stock purchase plans or executive and director corporate arrangements disclosed in the SEC Reports and (vi) there has not been any material change or amendment to, or any waiver of any material right by the Company under, any Material Contract under which the Company or any of its Subsidiaries is bound or subject. Except for the transactions contemplated by this Agreement, no event, liability or development has occurred or exists with respect to the Company or its Subsidiaries or their respective business, properties, operations or financial condition that would be required to be disclosed by the Company under applicable securities laws at the time this representation is made that has not been publicly disclosed at least one Trading Day prior to the date that this representation is made.

(1) <u>Environmental Matters</u>. To the Company's Knowledge, neither the Company nor any of its Subsidiaries (i) is in violation of any statute, rule, regulation, decision or order of any governmental agency or body or any court, domestic or foreign, relating to the use, disposal or release of hazardous or toxic substances or relating to the protection or restoration of the environment or human exposure to hazardous or toxic substances (collectively, "*Environmental Laws*"), (ii) owns or operates any real property contaminated with any substance that is in violation of any Environmental Laws, (iii) is liable for any off-site disposal or contamination pursuant to any Environmental Laws, or (iv) is subject to any claim relating to any Environmental Laws; which violation, contamination, liability or claim has had or would have, individually or in the aggregate, a Material Adverse Effect; and there is no pending investigation or, to the Company's Knowledge, investigation threatened in writing that might lead to such a claim.

(m) <u>Litigation</u>. There is no Action which (i) adversely affects or challenges the legality, validity or enforceability of any of the Transaction Documents or the Securities or (ii) except as specifically disclosed in the SEC Reports, could, if there were an unfavorable decision, individually or in the aggregate, have a Material Adverse Effect. The Commission has not issued any stop order or other order suspending the effectiveness of any registration statement filed by the Company or any of its Subsidiaries under the Exchange Act or the Securities Act.

(n) <u>Employment Matters</u>. No material labor dispute exists or, to the Company's Knowledge, is imminent with respect to any of the employees of the Company which would have a Material Adverse Effect. None of the Company's or any Subsidiary's employees is a member of a union that relates to such employee's relationship with the Company, and neither the Company nor any of its Subsidiaries is a party to a collective bargaining agreement, and the Company and each Subsidiary believes that its relationship with its employees is good. No executive officer of the Company (as defined in Rule 501(f) of the 1933 Act) has notified the Company or any such Subsidiary that such officer intends to leave the

Company or any such Subsidiary or otherwise terminate such officer's employment with the Company or any such Subsidiary. To the Company's Knowledge, no executive officer, to the Company's Knowledge, is in violation of any term of any employment contract, confidentiality, disclosure or proprietary information agreement or non-competition agreement, or any other contract or agreement or any restrictive covenant which would have a Material Adverse Effect, and the continued employment of each such executive officer does not subject the Company or any Subsidiary to any liability with respect to any of the foregoing matters. The Company and its Subsidiaries are in compliance with all U.S. federal, state, local and foreign laws and regulations relating to employment and employment practices, terms and conditions of employment and wages and hours, except where the failure to be in compliance would not, individually or in the aggregate, have a Material Adverse Effect.

(o) <u>Compliance</u>. Neither the Company nor any of its Subsidiaries (i) is in default under or in violation of (and no event has occurred that has not been waived that, with notice or lapse of time or both, would result in a default by the Company or any of its Subsidiaries under), nor has the Company or any of its Subsidiaries received written notice of a claim that it is in default under or that it is in violation of, any indenture, loan or credit agreement or any other agreement or instrument to which it is a party or by which it or any of its properties is bound (whether or not such default or violation has been waived), (ii) is in violation of any order of any court, arbitrator or governmental body having jurisdiction over the Company or its properties or assets, or (iii) is or has been in violation of, or in receipt of written notice that it is in violation of, any statute, rule or regulation of any governmental authority applicable to the Company, except in each case as would not, individually or in the aggregate, have a Material Adverse Effect.

(p) <u>Regulatory Permits</u>. The Company and each of its Subsidiaries possess all certificates, authorizations and permits issued by the appropriate federal, state, local or foreign regulatory authorities necessary to conduct its respective business as currently conducted and as described in the SEC Reports, except where the failure to possess such permits, individually or in the aggregate, has not and would not have, individually or in the aggregate, a Material Adverse Effect (*"Material Permits"*), and (i) neither the Company nor any of its Subsidiaries has received any notice of proceedings relating to the revocation or modification of any such Material Permits and (ii) the Company is unaware of any facts or circumstances that would reasonably expect to give rise to the revocation or modification of any Material Permits.

(q) <u>Title to Assets</u>. The Company and its Subsidiaries have good and marketable title in fee simple to all real property. The Company and its Subsidiaries have good and marketable title to all tangible personal property owned by them which is material to the business of the Company and its Subsidiaries, taken as whole, in each case free and clear of all Liens except such as do not materially affect the value of such property and do not interfere with the use made and proposed to be made of such property by the Company and any of its Subsidiaries. Any real property and facilities held under lease by the Company and any of its Subsidiaries are held by them under valid, subsisting and enforceable leases with such exceptions as are not material and do not interfere with the use made and proposed to be made of such property and buildings by the Company and its Subsidiaries.

(r) <u>Patents and Trademarks</u>. The Company and its Subsidiaries own, possess, license or have other rights to use all foreign and domestic patents, patent applications, trade and service marks, trade and service mark registrations, trade names, copyrights, licenses, inventions, trade secrets, technology, Internet domain names, know-how and other intellectual property (collectively, the "*Intellectual Property*") necessary for the conduct of their respective businesses as now conducted or as proposed to be conducted. Except as set forth in the SEC Reports and except where such violations or infringements would not have, either individually or in the aggregate, a Material Adverse Effect, (a) there are no rights of third parties to any such Intellectual Property; (b) to the Company's Knowledge, there is no infringement by third parties of any such Intellectual Property; (c) there is no pending or, to the Company's Knowledge, threatened action, suit, proceeding or claim by others challenging the Company's and its Subsidiaries' rights in or to any such

Intellectual Property, and the Company is unaware of any facts which would form a reasonable basis for any such claim; (d) there is no pending or, to the Company's Knowledge, threatened action, suit, proceeding or claim by others challenging the validity or scope of any such Intellectual Property; and (e) there is no pending or, to the Company's Knowledge, threatened action, suit, proceeding or claim by others that the Company and/or any Subsidiary infringes or otherwise violates any patent, trademark, copyright, trade secret or other proprietary rights of others, and the Company is unaware of any other fact which would form a reasonable basis for any such claim.

(s) <u>Insurance</u>. The Company and each of the Subsidiaries are insured by insurers of recognized financial responsibility against such losses and risks and in such amounts as the Company believes to be prudent and customary in the businesses and locations in which the Company and the Subsidiaries are engaged. Neither the Company nor any of its Subsidiaries has received any notice of cancellation of any such insurance, nor, to the Company's Knowledge, will it or any Subsidiary be unable to renew their respective existing insurance coverage as and when such coverage expires or to obtain similar coverage from similar insurers as may be necessary to continue its business without a significant increase in cost.

(t) <u>Transactions With Affiliates and Employees</u>. Except as set forth in the SEC Reports, none of the officers or directors of the Company and, to the Company's Knowledge, none of the employees of the Company, is presently a party to any transaction with the Company or to a presently contemplated transaction (other than for services as employees, officers and directors) that would be required to be disclosed pursuant to Item 404 of Regulation S-K promulgated under the Securities Act.

(u) <u>Internal Accounting Controls</u>. The Company and each of its Subsidiaries maintains a system of internal accounting controls sufficient to provide reasonable assurance that (i) transactions are executed in accordance with management's general or specific authorizations, (ii) transactions are recorded as necessary to permit preparation of financial statements in conformity with GAAP and to maintain asset and liability accountability, (iii) access to assets or incurrence of liabilities is permitted only in accordance with management's general or specific authorization, and (iv) the recorded accountability for assets and liabilities is compared with the existing assets and liabilities at reasonable intervals and appropriate action is taken with respect to any differences.

(v) <u>Sarbanes-Oxley; Disclosure Controls</u>. The Company is in compliance in all material respects with all of the provisions of the Sarbanes-Oxley Act of 2002 which are applicable to it, except where such noncompliance would not have, individually or in the aggregate, a Material Adverse Effect. The Company maintains disclosure controls and procedures (as such term is defined in Rule 13a-15(e) and 15d-15(e) under the Exchange Act).

(w) <u>Certain Fees</u>. No person or entity will have, as a result of the transactions contemplated by this Agreement, any valid right, interest or claim against or upon the Company or a Purchaser for any commission, fee or other compensation pursuant to any agreement, arrangement or understanding entered into by or on behalf of the Company, other than the Placement Agents with respect to the offer and sale of the Securities (which placement agent fees are being paid by the Company). The Company shall indemnify, pay, and hold each Purchaser harmless against, any liability, loss or expense (including, without limitation, attorneys' fees and out-of-pocket expenses) arising in connection with any such right, interest or claim.

(x) <u>Private Placement</u>. Assuming the accuracy of the Purchasers' representations and warranties set forth in Section 3.2 of this Agreement and the accuracy of the information disclosed in the Accredited Investor Questionnaires, no registration under the Securities Act is required for the offer and sale of the Securities by the Company to the Purchasers under the Transaction Documents.

(y) <u>Registration Rights</u>. Other than each of the Purchasers or as set forth in <u>Schedule 3.1(y)</u> hereto, no Person has any right to cause the Company to effect the registration under the Securities Act of any securities of the Company other than those securities which are currently registered on an effective registration statement on file with the Commission.

(z) <u>No Integrated Offering</u>. Assuming the accuracy of the Purchasers' representations and warranties set forth in Section 3.2, none of the Company, its Subsidiaries nor, to the Company's Knowledge, any of its Affiliates or any Person acting on its behalf has, directly or indirectly, at any time within the past six months, made any offers or sales of any Company security or solicited any offers to buy any security under circumstances that would (i) eliminate the availability of the exemption from registration under Regulation D under the Securities Act in connection with the offer and sale by the Company of the Securities as contemplated hereby or (ii) cause the offering of the Securities pursuant to the Transaction Documents to be integrated with prior offerings by the Company for purposes of any applicable law, regulation or stockholder approval provisions, including, without limitation, under the rules and regulations of any Trading Market on which any of the securities of the Company are listed or designated.

(aa) Listing and Maintenance Requirements. The Company's Common Stock is registered pursuant to Section 12(b) or 12(g) of the Exchange Act, and the Company has taken no action designed to terminate the registration of the Common Stock under the Exchange Act nor has the Company received any notification that the Commission is contemplating terminating such registration. The Company has not, in the 12 months preceding the date hereof, received written notice from any Trading Market on which the Common Stock is listed or quoted to the effect that the Company is not in compliance with the listing or maintenance requirements of such Trading Market. The Company is in compliance in all material respects with the listing and maintenance requirements for continued trading of the Common Stock on the Principal Trading Market.

(bb) <u>Investment Company</u>. Neither the Company nor any of its Subsidiaries is required to be registered as, and is not an Affiliate of, and immediately following the Closing will not be required to register as, an "investment company" within the meaning of the Investment Company Act of 1940, as amended.

(cc) <u>Questionable Payments</u>. Neither the Company nor any of its Subsidiaries, nor, to the Company's Knowledge, any directors, officers, employees, agents or other Persons acting on behalf of the Company or any of its Subsidiaries has, in the course of its actions for, or on behalf of, the Company: (a) directly or indirectly, used any corporate funds for unlawful contributions, gifts, entertainment or other unlawful expenses relating to foreign or domestic political activity; (b) made any direct or indirect unlawful payments to any foreign or domestic governmental officials or employees or to any foreign or domestic political parties or campaigns from corporate funds; (c) violated in any material respect any provision of the Foreign Corrupt Practices Act of 1977, as amended, or (d) made any other unlawful bribe, rebate, payoff, influence payment, kickback or other unlawful payment to any foreign or domestic government official or employee.

(dd) <u>Application of Takeover Protections: Rights Agreements</u>. The Company and its board of directors have taken all necessary action, if any, in order to render inapplicable any control share acquisition, business combination, poison pill (including any distribution under a rights agreement) or other similar anti-takeover provision under the Company's charter documents or the laws of its state of incorporation that is or could reasonably be expected to become applicable to any of the Purchasers as a result of the Purchasers and the Company fulfilling their obligations or exercising their rights under the Transaction Documents, including, without limitation, the Company's issuance of the Securities and the Purchasers' ownership of the Securities. The Company has not adopted a stockholder rights plan or similar arrangement relating to accumulations of beneficial ownership of Common Stock or a change in control of the Company.

(ee) <u>Disclosure</u>. The Company confirms that neither it nor any of its officers or directors nor any other Person acting on its or their behalf has provided, and it has not authorized the Placement Agents to provide, any Purchaser or its respective agents or counsel with any information that it believes constitutes or could reasonably be expected to constitute material, non-public information except insofar as the existence, provisions and terms of the Transaction Documents and the proposed transactions hereunder may constitute such information, all of which will be disclosed by the Company in the Press Release as contemplated by Section 4.8 hereof. The Company understands and confirms that the Purchasers will rely on the foregoing representations in effecting transactions in securities of the Company. No event or circumstance has occurred or information exists with respect to the Company or any of its Subsidiaries or its or their business, properties, operations or financial conditions, which, under applicable law, rule or regulation, requires public disclosure or announcement by the Company but which has not been so publicly announced or disclosed (assuming for this purpose that the Company's reports filed under the Exchange Act are being incorporated into an effective registration statement filed by the Company under the Securities Act), except for the announcement of this Agreement and related transactions.

(ff) <u>Off Balance Sheet Arrangements</u>. There is no transaction, arrangement, or other relationship between the Company (or any Subsidiary) and an unconsolidated or other off balance sheet entity that is required to be disclosed by the Company in its Exchange Act filings and is not so disclosed and would have a Material Adverse Effect.

(gg) <u>Acknowledgment Regarding Purchasers' Purchase of Securities</u>. The Company acknowledges and agrees that each of the Purchasers is acting solely in the capacity of an arm's length purchaser with respect to the Transaction Documents and the transactions contemplated hereby and thereby. The Company further acknowledges that no Purchaser is acting as a financial advisor or fiduciary of the Company (or in any similar capacity) with respect to the Transaction Documents and the transactions contemplated thereby and any advice given by any Purchaser or any of their respective representatives or agents in connection with the Transaction Documents and the transactions contemplated thereby is merely incidental to the Purchasers' purchase of the Securities.

(hh) <u>Regulation M Compliance</u>. The Company has not, and to the Company's Knowledge no one acting on its behalf has, (i) taken, directly or indirectly, any action designed to cause or to result in the stabilization or manipulation of the price of any security of the Company to facilitate the sale or resale of any of the Securities, (ii) sold, bid for, purchased, or paid any compensation for soliciting purchases of, any of the securities of the Company or (iii) paid or agreed to pay to any Person any compensation for soliciting another to purchase any other securities of the Company, other than, in the case of clauses (ii) and (iii), compensation paid to the Placement Agents in connection with the placement of the Securities

(ii) <u>PFIC</u>. Neither the Company nor any Subsidiary is or intends to become a "passive foreign investment company" within the meaning of Section 1297 of the U.S. Internal Revenue Code of 1986, as amended.

(jj) <u>OFAC</u>. Neither the Company nor any Subsidiary nor, to the Company's Knowledge, any director, officer, agent, employee, Affiliate or Person acting on behalf of the Company or any Subsidiary is currently subject to any U.S. sanctions administered by the Office of Foreign Assets Control of the U.S. Treasury Department ("*OFAC*"); and the Company will not directly or indirectly use the proceeds of the sale of the Securities, or lend, contribute or otherwise make available such proceeds to any Subsidiary, joint venture partner or other Person or entity, towards any sales or operations in Cuba, Iran, Syria, Sudan, Myanmar or any other country sanctioned by OFAC or for the purpose of financing the activities of any Person currently subject to any U.S. sanctions administered by OFAC.

(kk) <u>Money Laundering Laws</u>. The operations of each of the Company and any Subsidiary are and have been conducted at all times in compliance with the money laundering statutes of applicable jurisdictions, the rules and regulations thereunder and any related or similar rules, regulations or guidelines, issued, administered or enforced by any applicable governmental agency (collectively, the "*Money Laundering Laws*") and no action, suit or proceeding by or before any court or governmental agency, authority or body or any arbitrator involving the Company and/or any Subsidiary with respect to the Money Laundering Laws is pending or, to the Company's Knowledge, threatened.

(II) <u>Acknowledgment Regarding Purchasers Trading Activity</u>. Anything in this Agreement or elsewhere herein to the contrary notwithstanding (except for Section 3.2(h) and 4.13 hereof), it is understood and acknowledged by the Company (i) that none of the Purchasers have been asked to agree, nor has any Purchaser agreed, to desist from purchasing or selling, long and/or short, securities of the Company, or "derivative" securities based on securities issued by the Company or to hold the Securities for any specified term; (ii) that past or future open market or other transactions by any Purchaser, including Short Sales, and specifically including, without limitation, Short Sales or "derivative" transactions, may negatively impact the market price of the Company's publicly-traded securities; (iii) that any Purchaser, and counter-parties in "derivative" transactions to which any such Purchaser is a party, directly or indirectly, presently may have a "short" position in the Common Stock, and (iv) that each Purchaser shall not be deemed to have any affiliation with or control over any arm's length counter-party in any "derivative" transaction. The Company further understands and acknowledges that (a) one or more Purchasers may engage in hedging activities at various times during the period that the Securities are outstanding and (b) such hedging activities (if any) could reduce the value of the existing stockholders' equity interests in the Company at and after the time that the hedging activities are being conducted. The Company acknowledges that such aforementioned hedging activities do not constitute a breach of any of the Transaction Documents.

(mm) <u>No Additional Agreements</u>. The Company does not have any agreement or understanding with any Purchaser with respect to the transactions contemplated by the Transaction Documents other than as specified in the Transaction Documents.

(nn) <u>Use of Form S-3</u>. The Company meets the registration and transaction requirements for use of Form S-3 for the registration of the Shares and the Warrant Shares for resale by the Purchasers.

3.2 <u>Representations and Warranties of the Purchasers</u>. Each Purchaser hereby, for itself and for no other Purchaser, represents and warrants as of the date hereof and as of the Closing Date to the Company as follows:

(a) <u>Organization; Authority</u>. Such Purchaser is an entity duly organized, validly existing and in good standing under the laws of the jurisdiction of its organization with the requisite corporate or partnership power and authority to enter into and to consummate the transactions contemplated by the applicable Transaction Documents and otherwise to carry out its obligations hereunder and thereunder. The execution, delivery and performance by such Purchaser of the transactions contemplated by this Agreement have been duly authorized by all necessary corporate or, if such Purchaser is not a corporation, such partnership, limited liability company or other applicable like action, on the part of such Purchaser. Each of this Agreement and the Registration Rights Agreement has been duly executed by such Purchaser, and when delivered by such Purchaser in accordance with the terms hereof, will constitute the valid and legally binding obligation of such Purchaser, enforceable against it in accordance with its terms, except as such enforceability may be limited by applicable bankruptcy, insolvency, reorganization, moratorium, liquidation or similar laws relating to, or affecting generally the enforcement of, creditors' rights and remedies or by other equitable principles of general application.

(b) <u>No Conflicts</u>. The execution, delivery and performance by such Purchaser of this Agreement and the Registration Rights Agreement and the consummation by such Purchaser of the transactions contemplated hereby and thereby will not (i) result in a violation of the organizational documents of such Purchaser, (ii) conflict with, or constitute a default (or an event which with notice or lapse of time or both would become a default) under, or give to others any rights of termination, amendment, acceleration or cancellation of, any agreement, indenture or instrument to which such Purchaser is a party, or (iii) result in a violation of any law, rule, regulation, order, judgment or decree (including federal and state securities laws) applicable to such Purchaser, except in the case of clauses (ii) and (iii) above, for such conflicts, defaults, rights or violations which would not, individually or in the aggregate, reasonably be expected to have a material adverse effect on the ability of such Purchaser to perform its obligations hereunder.

(c) <u>Investment Intent</u>. Such Purchaser understands that the Securities are "restricted securities" and have not been registered under the Securities Act or any applicable state securities law and is acquiring the Securities and, upon exercise of the Warrants, will acquire the Warrant Shares issuable upon exercise thereof as principal for its own account and not with a view to, or for distributing or reselling such Securities or any part thereof in violation of the Securities Act or any applicable state securities laws, *provided*, *however*, that by making the representations herein, such Purchaser does not agree to hold any of the Securities for any minimum period of time and reserves the right, subject to the provisions of this Agreement and the Registration Rights Agreement, at all times to sell or otherwise dispose of all or any part of such Securities or Warrant Shares pursuant to an effective registration statement under the Securities Act or under an exemption from such registration and in compliance with applicable federal and state securities laws. Such Purchaser is acquiring the Securities hereunder in the ordinary course of its business. Such Purchaser does not presently have any agreement, plan or understanding, directly or indirectly, with any Person to distribute or effect any distribution of any of the Securities (or any securities which are derivatives thereof) to or through any person or entity.

(d) <u>Purchaser Status</u>. At the time such Purchaser was offered the Securities, it was, and at the date hereof it is, and on each date on which it exercises the Warrants it will be, an "accredited investor" as defined in Rule 501(a) under the Securities Act.

(e) <u>General Solicitation</u>. Such Purchaser is not purchasing the Securities as a result of any advertisement, article, notice or other communication regarding the Securities published in any newspaper, magazine or similar media or broadcast over television or radio or presented at any seminar or any other general advertisement.

(f) Experience of Such Purchaser. Such Purchaser, either alone or together with its representatives, has such knowledge, sophistication and experience in business and financial matters so as to be capable of evaluating the merits and risks of the prospective investment in the Securities, and has so evaluated the merits and risks of such investment. Such Purchaser is able to bear the economic risk of an investment in the Securities and, at the present time, is able to afford a complete loss of such investment.

(g) <u>Access to Information</u>. Such Purchaser acknowledges that it has had the opportunity to review the Disclosure Materials and has been afforded (i) the opportunity to ask such questions as it has deemed necessary of, and to receive answers from, representatives of the Company concerning the terms and conditions of the offering of the Securities and the merits and risks of investing in the Securities; (ii) access to information about the Company and the Subsidiaries and their respective financial condition, results of operations, business, properties, management and prospects sufficient to enable it to evaluate its investment;

and (iii) the opportunity to obtain such additional information that the Company possesses or can acquire without unreasonable effort or expense that is necessary to make an informed investment decision with respect to the investment. Neither such inquiries nor any other investigation conducted by or on behalf of such Purchaser or its representatives or counsel shall modify, amend or affect such Purchaser's right to rely on the truth, accuracy and completeness of the Disclosure Materials and the Company's representations and warranties contained in the Transaction Documents. Such Purchaser has sought such accounting, legal and tax advice as it has considered necessary to make an informed decision with respect to its acquisition of the Securities.

(h) <u>Certain Trading Activities</u>. Other than with respect to the transactions contemplated herein, since the earlier to occur of (1) the time that such Purchaser was first contacted by the Company, the Placement Agents or any other Person regarding the transactions contemplated hereby and (2) the tenth (10th) day prior to the date of this Agreement, neither the Purchaser nor any Affiliate of such Purchaser which (x) had knowledge of the transactions contemplated hereby, (y) has or shares discretion relating to such Purchaser's investments or trading or information concerning such Purchaser's investments, including in respect of the Securities, and (z) is subject to such Purchaser's review or input concerning such Affiliate's investments or trading (collectively, "*Trading Affiliates*") has directly or indirectly, nor has any Person acting on behalf of or pursuant to any understanding with such Purchaser or Trading Affiliate, effected or agreed to effect any purchases or sales of the securities of the Company (including, without limitation, any Short Sales involving the Company's securities). Notwithstanding the foregoing, in the case of a Purchaser and/or Trading Affiliate that is, individually or collectively, a multi-managed investment bank or vehicle whereby separate portfolio managers manage separate portions of such Purchaser's or Trading Affiliate's assets and the portfolio managers have no direct knowledge of the investment decisions made by the portfolio managers managing other portions of such Purchaser's or Trading Affiliate's assets managed by the portfolio manager that have knowledge about the financing transaction contemplated by this Agreement. Other than to other Persons party to this Agreement, such Purchaser has maintained the confidentiality of all disclosures made to it in connection with this transaction (including the existence and terms of this transaction).

(i) <u>Brokers and Finders</u>. No Person will have, as a result of the transactions contemplated by this Agreement, any valid right, interest or claim against or upon the Company or any Purchaser for any commission, fee or other compensation pursuant to any agreement, arrangement or understanding entered into by or on behalf of the Purchaser.

(j) Independent Investment Decision. Such Purchaser has independently evaluated the merits of its decision to purchase Securities pursuant to the Transaction Documents, and such Purchaser confirms that it has not relied on the advice of any other Purchaser's business and/or legal counsel in making such decision. Such Purchaser understands that nothing in this Agreement or any other materials presented by or on behalf of the Company to the Purchaser in connection with the purchase of the Securities constitutes legal, tax or investment advice. Such Purchaser has consulted such legal, tax and investment advisors as it, in its sole discretion, has deemed necessary or appropriate in connection with its purchase of the Securities. Such Purchaser understands that the Placement Agents have acted solely as the agents of the Company in this placement of the Securities and such Purchaser has not relied on the business or legal advice of the Placement Agents or any of their agents, counsel or Affiliates in making its investment decision hereunder, and confirms that none of such Persons has made any representations or warranties to such Purchaser in connection with the transactions contemplated by the Transaction Documents.

(k) <u>Reliance on Exemptions</u>. Such Purchaser understands that the Securities being offered and sold to it in reliance on specific exemptions from the registration requirements of United States federal and state securities laws and that the Company is relying in part upon the truth and accuracy of, and such Purchaser's compliance with, the representations, warranties, agreements, acknowledgements and understandings of such Purchaser set forth herein in order to determine the availability of such exemptions and the eligibility of such Purchaser to acquire the Securities.

(1) <u>No Governmental Review</u>. Such Purchaser understands that no United States federal or state agency or any other government or governmental agency has passed on or made any recommendation or endorsement of the Securities or the fairness or suitability of the investment in the Securities nor have such authorities passed upon or endorsed the merits of the offering of the Securities.

(m) <u>Regulation M</u>. Such Purchaser is aware that the anti-manipulation rules of Regulation M under the Exchange Act may apply to sales of Common Stock and other activities with respect to the Common Stock by the Purchasers.

(n) <u>Beneficial Ownership</u>. The purchase by such Purchaser of the Securities issuable to it at the Closing will not result in such Purchaser (individually or together with any other Person with whom such Purchaser has identified, or will have identified, itself as part of a "group" in a public filing made with the Commission involving the Company's securities) acquiring, or obtaining the right to acquire, in excess of 19.999% of the outstanding shares of Common Stock or the voting power of the Company on a post transaction basis that assumes that such Closing shall have occurred. Such Purchaser does not presently intend to, alone or together with others, make a public filing with the Commission to disclose that it has (or that it together with such other Persons have) acquired, or obtained the right to acquire, as a result of such Closing (when added to any other securities of the Company that it or they then own or have the right to acquire), in excess of 19.999% of the outstanding shares of Common Stock or the voting power of the Company on a post transaction basis that assumes that assumes that each Closing (when added to any other securities of the Company that it or they then own or have the right to acquire), in excess of 19.999% of the outstanding shares of Common Stock or the voting power of the Company on a post transaction basis that assumes that each Closing shall have occurred.

(o) <u>Residency</u>. Such Purchasers residence (if an individual) or offices in which its investment decision with respect to the Securities was made (if an entity) are located at the address immediately below such Purchaser's name on its signature page hereto.

The Company and each of the Purchasers acknowledge and agree that no party to this Agreement has made or makes any representations or warranties with respect to the transactions contemplated hereby other than those specifically set forth in this Article III and the Transaction Documents.

ARTICLE IV. OTHER AGREEMENTS OF THE PARTIES

4.1 Transfer Restrictions.

(a) <u>Compliance with Laws</u>. Notwithstanding any other provision of this Article IV, each Purchaser covenants that the Securities may be disposed of only pursuant to an effective registration statement under, and in compliance with the requirements of, the Securities Act, or pursuant to an available exemption from, or in a transaction not subject to, the registration requirements of the Securities Act, and in compliance with any applicable state and federal securities laws. In connection with any transfer of the Securities other than (i) pursuant to an effective registration statement, (ii) to the Company, (iii) pursuant to Rule 144 (*provided* that the Purchaser provides the Company with reasonable assurances (in the form of seller and broker representation letters) that the securities may be sold pursuant to such rule) or Rule 144A, (iv) pursuant to Rule 144(k) following the applicable holding period or (v) in connection with a bona fide pledge as contemplated in Section 4.1(b), the Company may require the transferor thereof to provide to the Company and the Transfer Agent an opinion of counsel selected by the transferor and reasonably acceptable to the Company and the Transfer Agent, the form and substance of which opinion shall be reasonably satisfactory to the Company and the Transfer Agent, to the effect that such transfer does not require registration of such transferred Securities under the Securities Act. As a condition of transfer, any such transferee shall agree in writing to be bound by the terms of this Agreement and shall have the rights of a Purchaser under this Agreement and the Registration Rights Agreement.

(b) <u>Legends</u>. Certificates evidencing the Securities shall bear any legend as required by the "blue sky" laws of any state and a restrictive legend in substantially the following form, until such time as they are not required under Section 4.1(c):

[NEITHER THESE SECURITIES NOR THE SECURITIES ISSUABLE UPON EXERCISE OF THESE SECURITIES HAVE BEEN REGISTERED] [THESE SECURITIES HAVE NOT BEEN REGISTERED] UNDER THE SECURITIES ACT OF 1933, AS AMENDED (THE "SECURITIES ACT"), OR APPLICABLE STATE SECURITIES LAWS. THE SECURITIES MAY NOT BE OFFERED FOR SALE, SOLD, TRANSFERRED OR ASSIGNED (I) IN THE ABSENCE OF (A) AN EFFECTIVE REGISTRATION STATEMENT FOR THE SECURITIES UNDER THE SECURITIES ACT OR (B) AN AVAILABLE EXEMPTION FROM, OR IN A TRANSACTION NOT SUBJECT TO, THE REGISTRATION REQUIREMENTS OF THE SECURITIES ACT AND IN ACCORDANCE WITH APPLICABLE STATE SECURITIES LAWS OR BLUE SKY LAWS AS EVIDENCED BY A LEGAL OPINION OF COUNSEL REASONABLY SATISFACTORY TO THE COMPANY AND ITS TRANSFER AGENT OR (II) UNLESS SOLD PURSUANT TO RULE 144 UNDER SAID ACT. NOTWITHSTANDING THE FOREGOING, THE SECURITIES MAY BE PLEDGED IN CONNECTION WITH A BONA FIDE MARGIN ACCOUNT OR OTHER LOAN OR FINANCING ARRANGEMENT SECURED BY THE SECURITIES.

The Company acknowledges and agrees that a Purchaser may from time to time pledge, and/or grant a security interest in, some or all of the legended Securities in connection with applicable securities laws, pursuant to a bona fide margin agreement in compliance with a bona fide margin loan. Such a pledge would not be subject to approval or consent of the Company and no legal opinion of legal counsel to the pledgee, secured party or pledgor shall be required in connection with the pledge, but such legal opinion shall be required in connection with a subsequent transfer or foreclosure following default by the Purchaser transferee of the pledge. No notice shall be required of such pledge, but Purchaser's transferee shall promptly notify the Company of any such subsequent transfer or foreclosure. Each Purchaser acknowledges that the Company shall not be responsible for any pledges relating to, or the grant of any security interest in, any of the Securities or for any agreement, understanding or arrangement between any Purchaser and its pledgee or secured party of Shares may reasonably request in connection with a pledge or transfer of the Shares, including the preparation and filing of any required prospectus supplement under Rule 424(b)(3) of the Securities Act or other applicable provision of the Securities Act to appropriately amend the list of Selling Stockholders thereunder. Each Purchaser acknowledges and agrees that, except as otherwise provided in Section 4.1(c), any Shares subject to a pledge or security interest as contemplated by this Section 4.1(b) shall continue to bear the legend set forth in this Section 4.1(b) and be subject to the restrictions on transfer set forth in Section 4.1(a).

(c) <u>Removal of Legends</u>. The legend set forth in Section 4.1(b) above shall be removed and the Company shall issue a certificate without such legend or any other legend to the holder of the applicable Securities upon which it is stamped or issue to such holder by electronic delivery at the applicable balance account at the Depository Trust Company ("*DTC*"), if (i) such Securities are registered for resale under the Securities Act (provided that the Purchaser agrees to only sell such Securities when, and as permitted, by the effective registration statement permitting such resale), (ii) such Securities are sold or transferred pursuant to Rule 144 (if the transferor is not an Affiliate of the Company), or (iii) such Securities are eligible

for sale under Rule 144(k). Following the earlier of (i) the Effective Date or (ii) Rule 144(k) becoming available for the resale of Shares or Warrant Shares, the Company shall cause Company Counsel to issue to the Transfer Agent the legal opinion referred to in the Irrevocable Transfer Agent Instructions. Any fees (with respect to the Transfer Agent, Company Counsel or otherwise) associated with the issuance of such opinion or the removal of such legend shall be borne by the Company. Following the Effective Date, or at such earlier time as a legend is no longer required for certain Securities, the Company will no later than three (3) Trading Days following the delivery by a Purchaser to the Company or the Transfer Agent (with notice to the Company) of (i) a legended certificate representing such Shares or Warrant Shares (endorsed or with stock powers attached, signatures guaranteed, and otherwise in form necessary to affect the reissuance and/or transfer) or (ii) an Exercise Notice in the manner stated in the Warrants to effect the exercise of such Warrant in accordance with its terms and an opinion of counsel to the extent required by Section 4.1(a), (such third Trading Day, the "*Legend Removal Date*") deliver or cause to be delivered to such Purchaser a certificate representing such Securities that is free from all restrictive and other legends. The Company may not make any notation on its records or give instructions to the Transfer Agent that enlarge the restrictions on transfer set forth in this Section. Certificates for Shares or Warrant Shares subject to legend removal hereunder may be transmitted by the Transfer Agent to the Purchasers by crediting the account of the Purchaser's prime broker with DTC.

(d) <u>Irrevocable Transfer Agent Instructions</u>. The Company shall issue irrevocable instructions to its transfer agent, and any subsequent transfer agent, in the form of <u>Exhibit E</u> attached hereto (the "*Irrevocable Transfer Agent Instructions*"). The Company represents and warrants that no instruction other than the Irrevocable Transfer Agent Instructions referred to in this Section 4.1(d) or instructions that are not contradictory therewith will be given by the Company to its transfer agent in connection with this Agreement, and that the Securities shall otherwise be freely transferable on the books and records of the Company as and to the extent provided in this Agreement and the other Transaction Documents and applicable law. The Company acknowledges that a breach by it of its obligations under this Section 4.1(d) will cause irreparable harm to a Purchaser. Accordingly, the Company acknowledges that the remedy at law for a breach of its obligations under this Section 4.1(d), will be inadequate and agrees, in the event of a breach or threatened breach by the Company of the provisions of this Section 4.1(d), that a Purchaser shall be entitled, in addition to all other available remedies, to an order and/or injunction restraining any breach and requiring immediate issuance and transfer, without the necessity of showing economic loss and without any bond or other security being required.

(e) <u>Acknowledgement</u>. Each Purchaser hereunder acknowledges its primary responsibilities under the Securities Act and accordingly will not sell or otherwise transfer the Shares, the Warrants or the Warrant Shares or any interest therein without complying with the requirements of the Securities Act. While the above-referenced registration statement remains effective, each Purchaser hereunder may sell the Shares and Warrant Shares in accordance with the plan of distribution contained in the registration statement and if it does so it will comply therewith and with the related prospectus delivery requirements unless an exemption therefrom is available. Each Purchaser, severally and not jointly with the other Purchasers, agrees that if it is notified by the Company in writing at any time that the registration statement registering the resale of the Shares or the Warrant Shares is not effective or that the prospectus included in such registration statement no longer complies with the requirements of Section 10 of the Securities Act, the Purchaser will refrain from selling such Shares and Warrant Shares until such time as the Purchaser is notified by the Company that such registration statement is effective or such prospectus is compliant with Section 10 of the Exchange Act, unless such Purchaser is able to, and does, sell such Shares or Warrant Shares pursuant to an available exemption from the registration requirements of Section 5 of the Securities Act. Both the Company and its Transfer Agent, and their respective directors, officers, employees and agents, may rely on this subsection (e) and each Purchaser hereunder will indemnify and hold harmless each of such persons from any breaches or violations of this paragraph.

(f) <u>Buy-In</u>. If the Company shall fail for any reason or for no reason to issue to a Purchaser unlegended certificates within three (3) Business Days of receipt of all documents necessary for the removal of the legend set forth above (the "*Deadline Date*"), then, in addition to all other remedies available to such Purchaser, if on or after the Business Day immediately following such three (3) Business Day period, such Purchaser purchases (in an open market transaction or otherwise) shares of Common Stock to deliver in satisfaction of a sale by the holder of shares of Common Stock that such Purchaser anticipated receiving from the Company without any restrictive legend (a "*Buy-In*"), then the Company shall, within three (3) Business Days after such Purchaser's request and in such Purchaser's sole discretion, either (i) pay cash to the Purchaser in an amount equal to such Purchaser's total purchase price (including brokerage commissions, if any) for the shares of Common Stock so purchased (the "*Buy-In Price*"), at which point the Company's obligation to deliver such certificate (and to issue such shares of Common Stock) shall terminate, or (ii) promptly honor its obligation to deliver to such Purchaser a certificates representing such shares of Common Stock and pay cash to the Purchaser in an amount equal to the excess (if any) of the Buy-In Price over the product of (a) such number of shares of Common Stock, times (b) the Closing Bid Price on the Deadline Date.

4.2 <u>Acknowledgment of Dilution</u>. The Company acknowledges that the issuance of the Securities may result in dilution of the outstanding shares of Common Stock. The Company further acknowledges that its obligations under the Transaction Documents, including without limitation its obligation to issue the Shares and the Warrant Shares pursuant to the Transaction Documents, are unconditional and absolute and not subject to any right of set off, counterclaim, delay or reduction, regardless of the effect of any such dilution or any claim the Company may have against any Purchaser and regardless of the dilutive effect that such issuance may have on the ownership of the other stockholders of the Company.

4.3 <u>Reservation of Common Stock</u>. The Company shall take all action necessary to at all times have authorized, and reserved for the purpose of issuance from and after the Closing Date, the number of shares of Common Stock issuable upon exercise of the Warrants issued at the Closing (without taking into account any limitations on exercise of the Warrants set forth in the Warrants).

4.4 <u>Furnishing of Information</u>. In order to enable the Purchasers to sell the Securities under Rule 144 of the Securities Act, for a period of two years from the Closing, the Company shall use its commercially reasonable efforts to timely file (or obtain extensions in respect thereof and file within the applicable grace period) all reports required to be filed by the Company after the date hereof pursuant to the Exchange Act. During such two year period, if the Company is not required to file reports pursuant to such laws, it will prepare and furnish to the Purchasers and make publicly available in accordance with Rule 144(c) such information as is required for the Purchasers to sell the Shares and Warrant Shares under Rule 144.

4.5 <u>Reporting Status</u>. Other than in connection with a Fundamental Transaction (as such term is defined in the Warrant), during the two year period from and after the Effective Date, the Company shall not terminate its status as an issuer required to file reports under the Exchange Act even if the Exchange Act or the rules and regulations thereunder would otherwise permit such termination.

4.6 Form D and Blue Sky. The Company agrees to timely file a Form D with respect to the Securities as required under Regulation D. The Company, on or before the Closing Date, shall take such action as the Company shall reasonably determine is necessary in order to obtain an exemption for or to qualify the Securities for sale to the Purchasers at the Closing pursuant to this Agreement under applicable securities or "Blue Sky" laws of the states of the United States (or to obtain an exemption from such qualification). The Company shall make all filings and reports relating to the offer and sale of the Securities required under applicable securities or "Blue Sky" laws of the states of the United States following the Closing Date.

4.7 <u>No Integration</u>. The Company shall not, and shall use its commercially reasonable efforts to ensure that no Affiliate of the Company shall, sell, offer for sale or solicit offers to buy or otherwise negotiate in respect of any security (as defined in Section 2 of the Securities Act) that will be integrated with the offer or sale of the Securities in a manner that would require the registration under the Securities Act of the sale of the Securities to the Purchasers, or that will be integrated with the offer or sale of the Securities for purposes of the rules and regulations of any Trading Market such that it would require stockholder approval prior to the closing of such other transaction unless stockholder approval is obtained before the closing of such subsequent transaction.

4.8 Securities Laws Disclosure; Publicity. By 9:00 a.m., New York City time, on the Trading Day immediately following the execution of this Agreement, the Company shall issue a press release (the "Press Release") reasonably acceptable to Canaccord disclosing all material terms of the transactions contemplated hereby. On or before 9:00 a.m., New York City time, on the second Trading Day immediately following the execution of this Agreement, the Company will file a Current Report on Form 8-K with the Commission describing the terms of the Transaction Documents (and including as exhibits to such Current Report on Form 8-K the material Transaction Documents (including, without limitation, this Agreement, the form of Warrant and the Registration Rights Agreement)). Notwithstanding the foregoing, the Company shall not publicly disclose the name of any Purchaser or an Affiliate of any Purchaser, or include the name of any Purchaser or an Affiliate of any Purchaser in any press release or filing with the Commission (other than the Registration Statement) or any regulatory agency or Trading Market, without the prior written consent of such Purchaser, except (i) as required by federal securities law in connection with (A) any registration statement contemplated by the Registration Rights Agreement and (B) the filing of final Transaction Documents (including signature pages thereto) with the Commission and (ii) to the extent such disclosure is required by law, request of the Staff of the Commission or Trading Market regulations, in which case the Company shall provide the Purchasers with prior written notice of such disclosure permitted under this subclause (ii). From and after the issuance of the Press Release, no Purchaser shall be in possession of any material, non-public information received from the Company, any Subsidiary or any of their respective officers, directors, employees or agents, that is not disclosed in the Press Release unless a Purchaser shall have executed a written agreement regarding the confidentiality and use of such information. Each Purchaser, severally and not jointly with the other Purchasers, covenants that until such time as the transactions contemplated by this Agreement are publicly disclosed by the Company as described in this Section 4.8, such Purchaser will maintain the confidentiality of all disclosures made to it in connection with this transaction (including the existence and terms of this transaction).

4.9 <u>Non-Public Information</u>. Except with respect to the material terms and conditions of the transactions contemplated by the Transaction Documents, and except with the express written consent of such Purchaser and unless prior thereto such Purchaser shall have executed a written agreement regarding the confidentiality and use of such information, the Company shall not, and shall cause each Subsidiary and each of their respective officers, directors, employees and agents, not to, provide any Purchaser with any material, non-public information regarding the Company or any of its Subsidiaries from and after the filing of the Press Release. In the event of a breach of the foregoing covenant by the Company, and provided that the Company shall have failed (following proper written request therefor) to make an appropriate public disclosure promptly following such written request consistent with the requirements of Regulation FD, any Subsidiary, or each of their respective officers, directors, employees and agents, in addition to any other remedy provided herein or in the Transaction Documents, a Purchaser shall have the right to make a public disclosure, in the form of a press release, public advertisement or otherwise, of such material non-public information without the prior approval by the Company, its Subsidiaries, or any of its or their respective officers, directors, employees or agents. No Purchaser shall have any liability to the Company, its Subsidiaries, or any of their respective officers, directors, employees or agents for any such disclosure.

4.10 Indemnification.

(a) <u>Indemnification of Purchasers</u>. In addition to the indemnity provided in the Registration Rights Agreement, the Company will indemnify and hold each Purchaser and its directors, officers, stockholders, members, partners, employees and agents (and any other Persons with a functionally equivalent role of a Person holding such titles notwithstanding a lack of such title or any other title), each Person who controls such Purchaser (within the meaning of Section 15 of the Securities Act and Section 20 of the Exchange Act), and the directors, officers, stockholders, agents, members, partners or employees (and any other Persons with a functionally equivalent role of a Person holding such titles notwithstanding a lack of such title or any other title) of such controlling person (each, a "*Purchaser Party*") harmless from any and all losses, liabilities, obligations, claims, contingencies, damages, costs and expenses, including all judgments, amounts paid in settlements, court costs and reasonable attorneys' fees and costs of investigation that any such Purchaser Party may suffer or incur as a result of any breach of any of the representations, warranties, covenants or agreements made by the Company in this Agreement or in the other Transaction Documents. The Company will not be liable to any Purchaser Party under this Agreement to the extent, but only to the extent that a loss, claim, damage or liability is attributable to any Purchaser Party's breach of any of the representations, or agreements made by such Purchaser Party in this Agreement or in the other Transaction Documents.

(b) Conduct of Indemnification Proceedings. Promptly after receipt by any Person (the "Indemnified Person") of notice of any demand, claim or circumstances which would or might give rise to a claim or the commencement of any action, proceeding or investigation in respect of which indemnity may be sought pursuant to Section 4.10(a), such Indemnified Person shall promptly notify the Company in writing and the Company shall assume the defense thereof, including the employment of counsel reasonably satisfactory to such Indemnified Person, and shall assume the payment of all fees and expenses; provided, however, that the failure of any Indemnified Person so to notify the Company shall not relieve the Company of its obligations hereunder except to the extent that the Company is actually and materially prejudiced by such failure to notify. In any such proceeding, any Indemnified Person shall have the right to retain its own counsel, but the fees and expenses of such counsel shall be at the expense of such Indemnified Person unless: (i) the Company and the Indemnified Person shall have mutually agreed to the retention of such counsel; (ii) the Company shall have failed promptly to assume the defense of such proceeding and to employ counsel reasonably satisfactory to such Indemnified Person in such proceeding; or (iii) in the reasonable judgment of counsel to such Indemnified Person, representation of both parties by the same counsel would be inappropriate due to actual or potential differing interests between them. The Company shall not be liable for any settlement of any proceeding effected without its written consent, which consent shall not be unreasonably withheld, delayed or conditioned. Without the prior written consent of the Indemnified Person, which consent shall not be unreasonably withheld, delayed or conditioned, the Company shall not effect any settlement of any pending or threatened proceeding in respect of which any Indemnified Person is or could have been a party and indemnity could have been sought hereunder by such Indemnified Party, unless such settlement includes an unconditional release of such Indemnified Person from all liability arising out of such proceeding.

4.11 Listing of Securities. Prior to the execution of this Agreement or promptly following the date hereof, the Company shall have taken or shall take all necessary action to cause the Shares and the Warrant Shares to be listed upon the Principal Trading Market, if any, upon which shares of Common Stock are then listed (subject to official notice of issuance) and shall maintain, so long as any other shares of Common Stock shall be so listed, such listing.

4.12 <u>Use of Proceeds</u>. The Company intends to use the net proceeds from the sale of the Securities hereunder for working capital and general corporate purposes and not for the satisfaction of any portion of the Company's debt (other than payment of trade payables and accrued expenses in the ordinary course of the Company's business and consistent with prior practices), or to redeem any Common Stock or Common Stock Equivalents or to settle any outstanding Action.

4.13 <u>Short Sales After The Date Hereof</u>. Such Purchaser shall not, and shall cause its Trading Affiliates not to, engage, directly or indirectly, in any transactions in the Company's securities (including, without limitation, any Short Sales involving the Company's securities) during the period from the date hereof until the earlier of such time as (i) the transactions contemplated by this Agreement are first publicly announced as described in Section 4.8 or (ii) this Agreement is terminated in full pursuant to Section 6.18. Notwithstanding the foregoing, in the case of a Purchaser that is a multi-managed investment vehicle whereby separate portfolio managers manage separate portfolio managers managing other portions of such Purchaser's assets, the representation set forth above shall apply only with respect to the portfolio managers managed by the portfolio manager that have knowledge about the financing transaction contemplated by this Agreement. Each Purchaser understands and acknowledges, severally and not jointly with any other Purchaser, that the Commission currently takes the position that covering a short position established prior to effectiveness of a resale registration statement with shares included in such registration statement would be a violation of Section 5 of the Securities Act, as set forth in Item 65, Section 5 under Section A, of the Manual of Publicly Available Telephone Interpretations, dated July 1997, compiled by the Office of Chief Counsel, Division of Corporation Finance.

ARTICLE V. CONDITIONS PRECEDENT TO CLOSING

5.1 <u>Conditions Precedent to the Obligations of the Purchasers to Purchase Securities</u>. The obligation of each Purchaser to acquire Securities at the Closing is subject to the fulfillment to such Purchaser's satisfaction, on or prior to the Closing Date, of each of the following conditions, any of which may be waived by such Purchaser (as to itself only):

(a) <u>Representations and Warranties</u>. The representations and warranties of the Company contained herein shall be true and correct in all material respects (except for those representations and warranties which are qualified as to materiality, in which case such representations and warranties shall be true and correct in all respects) as of the date when made and as of the Closing Date, as though made on and as of such date, except for such representations and warranties that speak as of a specific date.

(b) <u>Performance</u>. The Company shall have performed, satisfied and complied in all material respects with all covenants, agreements and conditions required by the Transaction Documents to be performed, satisfied or complied with by it at or prior to the Closing.

(c) <u>No Injunction</u>. No statute, rule, regulation, executive order, decree, ruling or injunction shall have been enacted, entered, promulgated or endorsed by any court or governmental authority of competent jurisdiction that prohibits the consummation of any of the transactions contemplated by the Transaction Documents.

(d) <u>Consents</u>. The Company shall have obtained in a timely fashion any and all consents, permits, approvals, registrations and waivers necessary for consummation of the purchase and sale of the Securities at the Closing (including all Required Approvals), all of which shall be and remain so long as necessary in full force and effect.

(e) <u>Adverse Changes</u>. Since the date of execution of this Agreement, no event or series of events shall have occurred that has had or would reasonably be expected to have a Material Adverse Effect.

(f) <u>No Suspensions of Trading in Common Stock; Listing</u>. The Common Stock (i) shall be designated for quotation or listed on the Principal Trading Market and (ii) shall not have been suspended, as of the Closing Date, by the Commission or the Principal Trading Market from trading on the Principal Trading Market nor shall suspension by the Commission or the Principal Trading Market have been threatened, as of the Closing Date, either (A) in writing by the Commission or the Principal Trading Market or (B) by falling below the minimum listing maintenance requirements of the Principal Trading Market.

(g) Company Deliverables. The Company shall have delivered the Company Deliverables in accordance with Section 2.2(a).

(h) <u>Compliance Certificate</u>. The Company shall have delivered to each Purchaser a certificate, dated as of the Closing Date and signed by its Chief Executive Officer or its Chief Financial Officer, dated as of the Closing Date, certifying to the fulfillment of the conditions specified in Sections 5.1(a) and (b) in the form attached hereto as <u>Exhibit G</u>.

(i) Termination. This Agreement shall not have been terminated as to such Purchaser in accordance with Section 6.18 herein.

5.2 <u>Conditions Precedent to the Obligations of the Company to sell Securities</u>. The Company's obligation to sell and issue the Securities at the Closing is subject to the fulfillment to the satisfaction of the Company on or prior to the Closing Date of the following conditions, any of which may be waived by the Company:

(a) <u>Representations and Warranties</u>. The representations and warranties made by the Purchaser in Section 3.2 hereof shall be true and correct in all material respects as of the date when made, and as of the Closing Date as though made on and as of such date, except for representations and warranties that speak as of a specific date.

(b) <u>Performance</u>. Such Purchaser shall have performed, satisfied and complied in all material respects with all covenants, agreements and conditions required by the Transaction Documents to be performed, satisfied or complied with by such Purchaser at or prior to the Closing Date.

(c) <u>No Injunction</u>. No statute, rule, regulation, executive order, decree, ruling or injunction shall have been enacted, entered, promulgated or endorsed by any court or governmental authority of competent jurisdiction that prohibits the consummation of any of the transactions contemplated by the Transaction Documents.

(d) <u>Consents</u>. The Company shall have obtained in a timely fashion any and all consents, permits, approvals, registrations and waivers necessary for consummation of the purchase and sale of the Securities, all of which shall be and remain so long as necessary in full force and effect.

(e) Purchasers Deliverables. Such Purchaser shall have delivered its Purchaser Deliverables in accordance with Section 2.2(b).

(f) Termination. This Agreement shall not have been terminated as to such Purchaser in accordance with Section 6.18 herein.

ARTICLE VI. MISCELLANEOUS

6.1 <u>Fees and Expenses</u>. Except as otherwise expressly set forth in the Company's engagement letter with the Placement Agents, the Company and the Purchasers shall each pay the fees and expenses of their respective advisers, counsel, accountants and other experts, if any, and all other expenses incurred by such party in connection with the negotiation, preparation, execution, delivery and performance of this Agreement. The Company shall pay all Transfer Agent fees, stamp taxes and other taxes and duties levied in connection with the sale and issuance of the Securities to the Purchasers. Each party acknowledges that Lowenstein Sandler PC has rendered legal advice to the Placement Agents and not to such party in connection with the transactions contemplated hereby, and that such party has relied for such matters on the advice of its own respective counsel.

6.2 <u>Entire Agreement</u>. The Transaction Documents, together with the Exhibits and Schedules thereto, contain the entire understanding of the parties with respect to the subject matter hereof and supersede all prior agreements, understandings, discussions and representations, oral or written, with respect to such matters, which the parties acknowledge have been merged into such documents, exhibits and schedules. At or after the Closing, and without further consideration, the Company and the Purchasers will execute and deliver to the other such further documents as may be reasonably requested in order to give practical effect to the intention of the parties under the Transaction Documents.

6.3 <u>Notices</u>. Any and all notices or other communications or deliveries required or permitted to be provided hereunder shall be in writing and shall be deemed given and effective on the earliest of (a) the date of transmission, if such notice or communication is delivered via facsimile (provided the sender receives a machine-generated confirmation of successful transmission) at the facsimile number specified in this Section or if such notice or communication is delivered via e-mail to the e-mail address specified in this Section, in each case prior to 5:00 p.m., New York City time, on a Trading Day, (b) the next Trading Day after the date of transmission, if such notice or communication is delivered via facsimile at the facsimile number specified in this Section or by e-mail to the e-mail address specified in this Section on a day that is not a Trading Day or later than 5:00 p.m., New York City time, on any Trading Day, (c) the Trading Day following the date of mailing, if sent by U.S. nationally recognized overnight courier service with next day delivery specified, or (d) upon actual receipt by the party to whom such notice is required to be given. The address for such notices and communications shall be as follows:

If to the Company:	Titan Pharmaceuticals, Inc.
	400 Oyster Point Blvd., Suite 505
	South San Francisco, CA 94080
	Telephone No.: 650-244-4990
	Facsimile No.: 650-244-0715
	Attention: Chief Financial Officer
	Email: rfarrell@titanpharm.com
With a copy to:	Loeb & Loeb LLP
	345 Park Avenue
	New York, New York 10154
	Telephone No.: 212-407-4935
	Facsimile No.: 212-214-0706
	Attention: Fran M. Stoller, Esq.
	Email: fstoller@loeb.com
If to a Purchaser:	To the address set forth under such Purchaser's name on the signature page hereof;

or such other address as may be designated in writing hereafter, in the same manner, by such Person.

6.4 <u>Amendments; Waivers; No Additional Consideration</u>. No provision of this Agreement may be waived or amended except in a written instrument signed, in the case of an amendment, by the Company and each of the Purchasers holding or having the right to acquire a majority of the Shares and the Warrant Shares on a fully-diluted basis at the time of such amendment or, in the case of a waiver, by the party against whom enforcement of any such waiver is sought. No waiver of any default with respect to any provision, condition or requirement of this Agreement shall be deemed to be a continuing waiver in the future or a waiver of any subsequent default or a waiver of any other provision, condition or requirement hereof, nor shall any delay or omission of either party to exercise any right hereunder in any manner impair the exercise of any such right. No consideration shall be offered or paid to any Purchaser to amend or consent to a waiver or modification of any provision of any Transaction Document unless the same consideration is also offered to all Purchasers who then hold Securities.

6.5 <u>Construction</u>. The headings herein are for convenience only, do not constitute a part of this Agreement and shall not be deemed to limit or affect any of the provisions hereof. The language used in this Agreement will be deemed to be the language chosen by the parties to express their mutual intent, and no rules of strict construction will be applied against any party. This Agreement shall be construed as if drafted jointly by the parties, and no presumption or burden of proof shall arise favoring or disfavoring any party by virtue of the authorship of any provisions of this Agreement or any of the Transaction Documents.

6.6 <u>Successors and Assigns</u>. The provisions of this Agreement shall inure to the benefit of and be binding upon the parties and their successors and permitted assigns. This Agreement, or any rights or obligations hereunder, may not be assigned by the Company without the prior written consent of the Purchasers. Any Purchaser may assign its rights hereunder in whole or in part to any Person to whom such Purchaser assigns or transfers any Securities in compliance with the Transaction Documents and applicable law, provided such transferee shall agree in writing to be bound, with respect to the transferred Securities, by the terms and conditions of this Agreement that apply to the "Purchasers".

6.7 <u>No Third-Party Beneficiaries</u>. This Agreement is intended for the benefit of the parties hereto and their respective successors and permitted assigns and is not for the benefit of, nor may any provision hereof be enforced by, any other Person, except (i) the Placement Agents are intended third party beneficiaries of Article III hereof and (ii) the Escrow Agent is an intended third party beneficiary of Section 2.1(d), and the Placement Agents or the Escrow Agent, as the case may be, may enforce the provisions of such provisions directly against the parties with obligations thereunder.

6.8 Governing Law. All questions concerning the construction, validity, enforcement and interpretation of this Agreement shall be governed by and construed and enforced in accordance with the internal laws of the State of New York, without regard to the principles of conflicts of law thereof. Each party agrees that all Proceedings concerning the interpretations, enforcement and defense of the transactions contemplated by this Agreement and any other Transaction Documents (whether brought against a party hereto or its respective Affiliates, employees or agents) shall be commenced exclusively in the New York Courts. Each party hereto hereby irrevocably submits to the exclusive jurisdiction of the New York Courts for the adjudication of any dispute hereunder or in connection herewith or with any transaction contemplated hereby or discussed herein (including with respect to the enforcement of any of the Transaction Documents), and hereby irrevocably waives, and agrees not to assert in any Proceeding, any claim that it is not personally subject to the jurisdiction of any such New York Court, or that such Proceeding has been commenced in an improper or inconvenient forum. Each party hereto hereby irrevocably waives personal service of process

and consents to process being served in any such Proceeding by mailing a copy thereof via registered or certified mail or overnight delivery (with evidence of delivery) to such party at the address in effect for notices to it under this Agreement and agrees that such service shall constitute good and sufficient service of process and notice thereof. Nothing contained herein shall be deemed to limit in any way any right to serve process in any manner permitted by law. EACH PARTY HERETO HEREBY IRREVOCABLY WAIVES, TO THE FULLEST EXTENT PERMITTED BY APPLICABLE LAW, ANY AND ALL RIGHT TO TRIAL BY JURY IN ANY LEGAL PROCEEDING ARISING OUT OF OR RELATING TO THIS AGREEMENT OR THE TRANSACTIONS CONTEMPLATED HEREBY.

6.9 <u>Survival</u>. Subject to applicable statute of limitations, the representations, warranties, agreements and covenants contained herein shall survive the Closing and the delivery of the Securities.

6.10 Execution. This Agreement may be executed in two or more counterparts, all of which when taken together shall be considered one and the same agreement and shall become effective when counterparts have been signed by each party and delivered to the other party, it being understood that both parties need not sign the same counterpart. In the event that any signature is delivered by facsimile transmission, or by e-mail delivery of a ".pdf" format data file, such signature shall create a valid and binding obligation of the party executing (or on whose behalf such signature is executed) with the same force and effect as if such facsimile signature page were an original thereof.

6.11 <u>Severability</u>. If any provision of this Agreement is held to be invalid or unenforceable in any respect, the validity and enforceability of the remaining terms and provisions of this Agreement shall not in any way be affected or impaired thereby and the parties will attempt to agree upon a valid and enforceable provision that is a reasonable substitute therefor, and upon so agreeing, shall incorporate such substitute provision in this Agreement.

6.12 <u>Rescission and Withdrawal Right</u>. Notwithstanding anything to the contrary contained in (and without limiting any similar provisions of) the Transaction Documents, whenever any Purchaser exercises a right, election, demand or option under a Transaction Document and the Company does not timely perform its related obligations within the periods therein provided, then such Purchaser may rescind or withdraw, in its sole discretion from time to time upon written notice to the Company, any relevant notice, demand or election in whole or in part without prejudice to its future actions and rights

6.13 <u>Replacement of Securities</u>. If any certificate or instrument evidencing any Securities is mutilated, lost, stolen or destroyed, the Company shall issue or cause to be issued in exchange and substitution for and upon cancellation thereof, or in lieu of and substitution therefor, a new certificate or instrument, but only upon receipt of evidence reasonably satisfactory to the Company and the Transfer Agent of such loss, theft or destruction and the execution by the holder thereof of a customary lost certificate affidavit of that fact and an agreement to indemnify and hold harmless the Company and the Transfer Agent for any losses in connection therewith or, if required by the Transfer Agent, a bond in such form and amount as is required by the Transfer Agent. The applicants for a new certificate or instrument under such circumstances shall also pay any reasonable third-party costs associated with the issuance of such replacement Securities. If a replacement certificate or instrument evidencing any Securities is requested due to a mutilation thereof, the Company may require delivery of such mutilated certificate or instrument as a condition precedent to any issuance of a replacement.

6.14 <u>Remedies</u>. In addition to being entitled to exercise all rights provided herein or granted by law, including recovery of damages, each of the Purchasers and the Company will be entitled to specific performance under the Transaction Documents. The parties agree that monetary damages may not be adequate compensation for any loss incurred by reason of any breach of obligations described in the foregoing sentence and hereby agree to waive in any action for specific performance of any such obligation (other than in connection with any action for a temporary restraining order) the defense that a remedy at law would be adequate.

6.15 Payment Set Aside. To the extent that the Company makes a payment or payments to any Purchaser pursuant to any Transaction Document or a Purchaser enforces or exercises its rights thereunder, and such payment or payments or the proceeds of such enforcement or exercise or any part thereof are subsequently invalidated, declared to be fraudulent or preferential, set aside, recovered from, disgorged by or are required to be refunded, repaid or otherwise restored to the Company, a trustee, receiver or any other person under any law (including, without limitation, any bankruptcy law, state or federal law, common law or equitable cause of action), then to the extent of any such restoration the obligation or part thereof originally intended to be satisfied shall be revived and continued in full force and effect as if such payment had not been made or such enforcement or setoff had not occurred.

6.16 <u>Adjustments in Share Numbers and Prices</u>. In the event of any stock split, subdivision, dividend or distribution payable in shares of Common Stock (or other securities or rights convertible into, or entitling the holder thereof to receive directly or indirectly shares of Common Stock), combination or other similar recapitalization or event occurring after the date hereof and prior to the Closing, each reference in any Transaction Document to a number of shares or a price per share shall be deemed to be amended to appropriately account for such event.

6.17 Independent Nature of Purchasers' Obligations and Rights. The obligations of each Purchaser under any Transaction Document are several and not joint with the obligations of any other Purchaser, and no Purchaser shall be responsible in any way for the performance of the obligations of any other Purchaser under any Transaction Document. The decision of each Purchaser to purchase Securities pursuant to the Transaction Documents has been made by such Purchaser independently of any other Purchaser and independently of any information, materials, statements or opinions as to the business, affairs, operations, assets, properties, liabilities, results of operations, condition (financial or otherwise) or prospects of the Company or any Subsidiary which may have been made or given by any other Purchaser or by any agent or employee of any other Purchaser, and no Purchaser and any of its agents or employees shall have any liability to any other Purchaser (or any other Person) relating to or arising from any such information, materials, statement or opinions. Nothing contained herein or in any Transaction Document, and no action taken by any Purchaser pursuant thereto, shall be deemed to constitute the Purchasers as a partnership, an association, a joint venture or any other kind of entity, or create a presumption that the Purchasers are in any way acting in concert or as a group with respect to such obligations or the transactions contemplated by the Transaction Documents. Each Purchaser acknowledges that no other Purchaser has acted as agent for such Purchaser in connection with making its investment hereunder and that no Purchaser will be acting as agent of such Purchaser in connection with monitoring its investment in the Securities or enforcing its rights under the Transaction Documents. Each Purchaser shall be entitled to independently protect and enforce its rights, including without limitation the rights arising out of this Agreement or out of the other Transaction Documents, and it shall not be necessary for any other Purchaser to be joined as an additional party in any proceeding for such purpose. The Company acknowledges that each of the Purchasers has been provided with the same Transaction Documents for the purpose of closing a transaction with multiple Purchasers and not because it was required or requested to do so by any Purchaser. The Company's obligations to each Purchaser under this Agreement are identical to its obligations to each other Purchaser other than such differences resulting solely from the number of Securities purchased by such Purchaser, but regardless of whether such obligations are memorialized herein or in another agreement between the Company and a Purchaser.

6.18 <u>Termination</u>. This Agreement may be terminated and the sale and purchase of the Shares and the Warrants abandoned at any time prior to the Closing by either the Company or any Purchaser (with respect to itself only) upon written notice to the other, if the Closing has not been consummated on or prior to

5:00 p.m., New York City time, on the Outside Date; *provided, however*, that the right to terminate this Agreement under this Section 6.18 shall not be available to any Person whose failure to comply with its obligations under this Agreement has been the cause of or resulted in the failure of the Closing to occur on or before such time. Nothing in this Section 6.18 shall be deemed to release any party from any liability for any breach by such party of the terms and provisions of this Agreement or the other Transaction Documents or to impair the right of any party to compel specific performance by any other party of its obligations under this Agreement or the other Transaction Documents. In the event of a termination pursuant to this Section, the Company shall promptly notify all non-terminating Purchasers. Upon a termination in accordance with this Section, the Company and the terminating Purchaser(s) shall not have any further obligation or liability (including arising from such termination) to the other, and no Purchaser will have any liability to any other Purchaser under the Transaction Documents as a result therefrom.

IN WITNESS WHEREOF, the parties hereto have caused this Securities Purchase Agreement to be duly executed by their respective authorized signatories as of the date first indicated above.

TITAN PHARMACEUTICALS, INC.

By:

Name: Title:

[REMAINDER OF PAGE INTENTIONALLY LEFT BLANK] [SIGNATURE PAGES FOR PURCHASERS FOLLOW]

	By: Name: Title:
	Aggregate Purchase Price (Subscription Amount): \$
	Number of Shares to be Acquired:
	Underlying Shares Subject to Warrant:(50% of the number of Shares to be acquired)
	Tax ID No.:
	Address for Notice:
	Telephone No.:
	Facsimile No.:
	E-mail Address:
	Attention:
Delivery Instructions: (if different than above)	
c/o	
Street:	

NAME OF PURCHASER: _____

City/State/Zip:

Attention:

Telephone No.:

EXHIBITS:

- Form of Warrant A:
- Form of Registration Rights Agreement B:
- C-1: Accredited Investor Questionnaire
- C-2: Stock Certificate Questionnaire
- D: Form of Opinion of Company Counsel
- Irrevocable Transfer Agent Instructions Form of Secretary's Certificate Form of Officer's Certificate E:
- F:
- G:
- Wire Instructions H:

SCHEDULES:

3.1(a) Subsidiaries

3.1(y) Registration Rights

<u>EXHIBIT A</u>

Form of Warrant

EXHIBIT B

Form of Registration Rights Agreement

Instruction Sheet

(to be read in conjunction with the entire Securities Purchase Agreement and Registration Rights Agreement)

- A. Complete the following items in the Securities Purchase Agreement and/or Registration Rights Agreement:
 - 1. Provide the information regarding the Purchaser requested on the signature page. The Securities Purchase Agreement and the Registration Rights Agreement must be executed by an individual authorized to bind the Purchaser.
 - <u>Exhibit C-1</u> Accredited Investor Questionnaire: Provide the information requested by the Accredited Investor Questionnaire
 - <u>Exhibit C-2</u> Stock Certificate Questionnaire:
 Provide the information requested by the Stock Certificate Questionnaire
 - 4. <u>Annex B</u> to the Registration Rights Agreement Selling Securityholder Notice and Questionnaire Provide the information requested by the Selling Securityholder Notice and Questionnaire
 - 5. Return the signed Securities Purchase Agreement and Registration Rights Agreement to:

Melissa Schmitt Canaccord Adams Inc. 535 Madison Avenue New York, New York 10022 Tel: (212) 849-3936 Fax: (212) 849-3938 Email: <u>melissa.schmitt@canaccordadams.com</u>

B. Instructions regarding the transfer of funds for the purchase of Securities is set forth on Exhibit H to the Securities Purchase Agreement.

EXHIBIT C-1

ACCREDITED INVESTOR QUESTIONNAIRE

(ALL INFORMATION WILL BE TREATED CONFIDENTIALLY)

To: Titan Pharmaceuticals, Inc.

This Investor Questionnaire ("Questionnaire") must be completed by each potential investor in connection with the offer and sale of the shares of the common stock, par value \$0.001 per share, and shares of common stock that may be issued upon exercise of certain warrants (collectively, the "Securities"), of Titan Pharmaceuticals, Inc., a Delaware corporation (the "Corporation"). The Securities are being offered and sold by the Corporation without registration under the Securities Act of 1933, as amended (the "Act"), and the securities laws of certain states, in reliance on the exemptions contained in Section 4(2) of the Act and on Regulation D promulgated thereunder and in reliance on similar exemptions under applicable state laws. The Corporation must determine that a potential investor meets certain suitability requirements before offering or selling Securities to such investor. The purpose of this Questionnaire is to assure the Corporation that each investor will meet the applicable suitability requirements. The information supplied by you will be used in determining whether you meet such criteria, and reliance upon the private offering exemptions from registration is based in part on the information herein supplied.

This Questionnaire does not constitute an offer to sell or a solicitation of an offer to buy any security. Your answers will be kept strictly confidential. However, by signing this Questionnaire, you will be authorizing the Corporation to provide a completed copy of this Questionnaire to such parties as the Corporation deems appropriate in order to ensure that the offer and sale of the Securities will not result in a violation of the Act or the securities laws of any state and that you otherwise satisfy the suitability standards applicable to purchasers of the Securities. All potential investors must answer all applicable questions and complete, date and sign this Questionnaire. Please print or type your responses and attach additional sheets of paper if necessary to complete your answers to any item.

PARTA. BACKGROUND INFORMATION

Name of Beneficial Owner of the Securities:_

Business Address:		
	(Number and Street)	
(City)	(State)	(Zip Code)
Telephone Number: ()		
If a corporation, partnership, limi	ted liability company, trust or other entity:	
Type of entity:		
State of formation:	Approximate Date of formation:	
Were you formed for the purpose	of investing in the securities being offered?	
Yes No		
<u>If an individua</u> l:		
Residence Address:		
	(Number and Street)	

(City)	(State)		(Zip Code)
Telephone Number: ()			
Age:	Citizenship:	Where registered to vote:	

Set forth in the space provided below the state(s), if any, in the United States in which you maintained your residence during the past two years and the dates during which you resided in each state:

Are you a director or executive officer of the Corporation?

Yes _____ No ____

Social Security or Taxpayer Identification No._

PARTB. ACCREDITED INVESTOR QUESTIONNAIRE

In order for the Company to offer and sell the Securities in conformance with state and federal securities laws, the following information must be obtained regarding your investor status. Please <u>initial each category</u> applicable to you as a Purchaser of Securities of the Company.

- (1) A bank as defined in Section 3(a)(2) of the Securities Act, or any savings and loan association or other institution as defined in Section 3(a)(5)(A) of the Securities Act whether acting in its individual or fiduciary capacity;
- (2) A broker or dealer registered pursuant to Section 15 of the Securities Exchange Act of 1934;
- (3) An insurance company as defined in Section 2(13) of the Securities Act;
- An investment company registered under the Investment Company Act of 1940 or a business development company as defined in Section 2(a)(48) of that Act;
- (5) A Small Business Investment Company licensed by the U.S. Small Business Administration under Section 301(c) or (d) of the Small Business Investment Act of 1958;
- (6) A plan established and maintained by a state, its political subdivisions, or any agency or instrumentality of a state or its political subdivisions, for the benefit of its employees, if such plan has total assets in excess of \$5,000,000;
- (7) An employee benefit plan within the meaning of the Employee Retirement Income Security Act of 1974, if the investment decision is made by a plan fiduciary, as defined in Section 3(21) of such act, which is either a bank, savings and loan association, insurance company, or registered investment adviser, or if the employee benefit plan has total assets in excess of \$5,000,000 or, if a self-directed plan, with investment decisions made solely by persons that are accredited investors;

- (8) A private business development company as defined in Section 202(a)(22) of the Investment Advisers Act of 1940;
- (9) An organization described in Section 501(c)(3) of the Internal Revenue Code, a corporation, Massachusetts or similar business trust, or partnership, not formed for the specific purpose of acquiring the Securities, with total assets in excess of \$5,000,000;
- (10) A trust, with total assets in excess of \$5,000,000, not formed for the specific purpose of acquiring the Securities, whose purchase is directed by a sophisticated person who has such knowledge and experience in financial and business matters that such person is capable of evaluating the merits and risks of investing in the Company;
- (11) A natural person whose individual net worth, or joint net worth with that person's spouse, at the time of his purchase exceeds \$1,000,000;
- (12) A natural person who had an individual income in excess of \$200,000 in each of the two most recent years, or joint income with that person's spouse in excess of \$300,000, in each of those years, and has a reasonable expectation of reaching the same income level in the current year;
- (13) An executive officer or director of the Company;
- (14) An entity in which all of the equity owners qualify under any of the above subparagraphs. If the undersigned belongs to this investor category only, list the equity owners of the undersigned, and the investor category which each such equity owner satisfies.

A. FOR EXECUTION BY AN INDIVIDUAL:

Date

B. FOR EXECUTION BY AN ENTITY:

Entity Name:

By

Date

By	_
Print Na	me:
Title:	

Print Name:

C. ADDITIONAL SIGNATURES (if required by partnership, corporation or trust document):

	Entity Name:	
Date	By Print Name: Title:	
	Entity Name:	
	By	
Date		

EXHIBIT C-2

Stock Certificate Questionnaire

Pursuant to Section 2.2(b) of the Agreement, please provide us with the following information:

- 1. The exact name that the Securities are to be registered in (this is the name that will appear on the stock certificate(s)). You may use a nominee name if appropriate:
- 2. The relationship between the Purchaser of the Securities and the Registered Holder listed in response to Item 1 above:
- 3. The mailing address, telephone and telecopy number of the Registered Holder listed in response to Item 1 above:

4. The Tax Identification Number (or, if an individual, the Social Security Number) of the Registered Holder listed in response to Item 1 above:

<u>EXHIBIT D</u>

Form of Opinion of Company Counsel

- 1. The Company is a corporation duly incorporated, validly existing and in good standing under the laws of the state of its incorporation with the requisite corporate power and authority to own, lease and operate its properties and assets, and to conduct its business as described in the SEC Reports, to execute and deliver the Transaction Documents and to perform its obligations thereunder, including, without limitation, to issue, sell and deliver the Shares and the Warrants under the Agreement and to issue the Warrant Shares issuable upon exercise of the Warrants.
- 3. Each Subsidiary is a corporation duly incorporated, validly existing and in good standing under the laws of the jurisdiction of its organization, with the requisite power and authority to own, lease and operate its properties and assets, and to conduct its business as described in the SEC Reports.
- 4. As of the date of the Agreement, the Company has an authorized capitalization as set forth in the SEC Reports.
- 5. When so issued, the Shares and the Warrant Shares will be duly authorized, validly issued, fully paid and nonassessable, and free of any and all liens and charges and preemptive right or similar rights contained in the Company's Certificate of Incorporation or Bylaws or any agreement, note, lease, publicly filed mortgage deed or other instrument to which the Company is a party or by which the Company is bound that are filed as exhibits to the SEC Reports. When so issued, the Warrants will be duly authorized and validly issued and free of any and all liens and charges and preemptive right or similar rights contained in the Company's Certificate of Incorporation or Bylaws or any agreement, note, lease, publicly filed mortgage deed or other instrument to which the Company's Certificate of Incorporation or Bylaws or any agreement, note, lease, publicly filed mortgage deed or other instrument to which the Company is a party or by which the Company is bound that are filed as exhibits to the SEC Reports. The Warrant Shares have been duly and validly reserved for issuance by all proper corporate action.
- 6. All corporate action on the part of the Company necessary for the authorization, execution and delivery of the Agreement, the Registration Rights Agreement and the Warrants by the Company, the authorization, sale, issuance and delivery of the Shares, the Warrants and the Warrant Shares and the performance by the Company of its obligations under the Agreement, the Registration Rights Agreement and the Warrants has been taken. The Agreement, the Registration Rights Agreement and the Warrants have been duly and validly executed and delivered by the Company and each of them constitutes a valid and binding obligation of the Company, enforceable against the Company in accordance with their respective terms.
- 7. The execution and delivery by the Company of the Agreement and the Registration Rights Agreement, the performance by the Company of its obligations under the Agreement and the Registration Rights Agreement and the Warrants, and the issuance of the Shares and the Warrants and, upon the valid exercise of the Warrants, the issuance of the Warrant Shares do not and will not, as the case may be, violate, conflict with or constitute a default (or an event which, with the giving of notice or lapse of time or both, constitutes or would constitute a default) under, give rise to any right of termination, cancellation or acceleration under (i) the Certificate of Incorporation or Bylaws, (ii) any indenture, mortgage, deed of trust, bank loan or credit agreement or other evidence of indebtedness, or any license, lease, contract or other agreement or instrument to which the Company is a party or by which any of its properties may be bound or affected, and in each case which is filed

as an exhibit to the SEC Reports, (iii) any provision of any applicable federal or state law, rule or regulation known to such counsel to be customarily applicable to transactions of this nature, or (iv) any decree, judgment or order known to such counsel to be applicable to the Company or its properties.

- 8. Except as identified in the Agreement, to our knowledge, the Company is not a party to any legal or governmental action or proceeding that (a) challenges the validity or enforceability, or seeks to enjoin the performance, of the Agreement or the Registration Rights Agreement or (b) if resolved in a manner unfavorable to the Company would have a Material Adverse Effect.
- 9. No consent, approval or authorization of designation, declaration or filing with any federal government authority any self-regulatory organization or approval of the stockholders of the Company is required in connection with the valid execution and delivery of the Agreement and the Registration Rights Agreement, the offer, sale or issuance of the Shares, the Warrants or the Warrant Shares, or the consummation by the Company of any other transaction contemplated by the Agreement except the filing of a Form D pursuant to Regulation D under the Securities Act of 1933, as amended and application for listing of additional shares pursuant to the rules and regulations of the American Stock Exchange.
- 10. Subject to the accuracy of the Purchasers' representations in Section 3.2 of the Agreement, the offer, sale and issuance of the Shares and the Warrants in conformity with the terms of the Agreement constitute transactions exempt from the registration requirements of Section 5 of the Securities Act of 1933, as amended.
- 11. The Company is not, and, immediately after giving effect to the offering and sale of the Securities, will not be an "investment company" or an entity "controlled" by an "investment company," as such terms are defined in the Investment Company Act of 1940, as amended.
- 12. To such counsel's knowledge, there are no written contracts, agreements or understandings between the Company and any person granting such person the right (other than rights which have been waived in writing or otherwise satisfied) to require the Company to include any securities of the Company in any registration statement contemplated by Section 2 of the Registration Rights Agreement.

EXHIBIT E

Form of Irrevocable Transfer Agent Instructions

As of _____,

Continental Stock Transfer & Trust Company 17 Battery Place New York, NY 10004 Attn: _____

Ladies and Gentlemen:

Reference is made to that certain Securities Purchase Agreement, dated as of December 17, 2007 (the "*Agreement*"), by and among Titan Pharmaceuticals, Inc., a Delaware corporation (the "*Company*"), and the purchasers named on the signature pages thereto (collectively, and including permitted transferees, the "*Holders*"), pursuant to which the Company is issuing to the Holders shares (the "*Shares*") of Common Stock of the Company, par value \$0.001 per share (the "*Common Stock*"), and warrants (the "*Warrants*"), which are exercisable into shares of Common Stock.

This letter shall serve as our irrevocable authorization and direction to you (provided that you are the transfer agent of the Company at such time and the conditions set forth in this letter are satisfied), subject to any stop transfer instructions that we may issue to you from time to time, if any:

(i) to issue certificates representing shares of Common Stock upon transfer or resale of the Shares; and

(ii) to issue shares of Common Stock upon the exercise of the Warrants (the "*Warrant Shares*") to or upon the order of a Holder from time to time upon delivery to you of a properly completed and duly executed Exercise Notice, in the form attached hereto as <u>Annex I</u>, which has been acknowledged by the Company as indicated by the signature of a duly authorized officer of the Company thereon together with indication of receipt of the exercise price therefor.

You acknowledge and agree that so long as you have received (a) written confirmation from the Company's legal counsel that either (1) a registration statement covering resales of the Shares and the Warrant Shares has been declared effective by the Securities and Exchange Commission (the "*Commission*") under the Securities Act of 1933, as amended (the "*Securities Act*"), or (2) the Shares and the Warrant Shares have been sold in conformity with Rule 144 under the Securities Act ("*Rule 144*") or are eligible for sale under Rule 144(k) and (b) if applicable, a copy of such registration statement, then, unless otherwise required by law, within three (3) business days of your receipt of a notice of transfer, Shares or the Exercise Notice, you shall issue the certificates representing the Shares and/or the Warrant Shares, as the case may be, registered in the names of such Holders or transferees, as the case may be, and such certificates shall not bear any legend restricting transfer of the Shares or the Warrant Shares thereby and should not be subject to any stop-transfer restriction; *provided, however*, that if such Shares and Warrant Shares are not registered for resale under the Securities Act or able to be sold under Rule 144, then the certificates for such Shares and/or Warrant Shares shall bear the following legend:

THESE SECURITIES HAVE NOT BEEN REGISTERED UNDER THE SECURITIES ACT OF 1933, AS AMENDED (THE "SECURITIES ACT"), OR APPLICABLE STATE SECURITIES LAWS. THE SECURITIES MAY NOT BE OFFERED FOR SALE, SOLD, TRANSFERRED OR ASSIGNED (I) IN THE ABSENCE OF (A) AN EFFECTIVE REGISTRATION STATEMENT FOR THE SECURITIES UNDER THE

SECURITIES ACT OR (B) AN AVAILABLE EXEMPTION FROM, OR IN A TRANSACTION NOT SUBJECT TO, THE REGISTRATION REQUIREMENTS OF THE SECURITIES ACT AND IN ACCORDANCE WITH APPLICABLE STATE SECURITIES LAWS OR BLUE SKY LAWS AS EVIDENCED BY A LEGAL OPINION OF COUNSEL REASONABLY SATISFACTORY TO THE COMPANY AND ITS TRANSFER AGENT OR (II) UNLESS SOLD PURSUANT TO RULE 144 UNDER SAID ACT. NOTWITHSTANDING THE FOREGOING, THE SECURITIES MAY BE PLEDGED IN CONNECTION WITH A BONA FIDE MARGIN ACCOUNT OR OTHER LOAN OR FINANCING ARRANGEMENT SECURED BY THE SECURITIES.

A form of written confirmation from the Company's outside legal counsel that a registration statement covering resales of the Shares and the Warrant Shares has been declared effective by the Commission under the Securities Act is attached hereto as <u>Annex II</u>.

Please be advised that the Holders are relying upon this letter as an inducement to enter into the Agreement and, accordingly, each Holder is a third party beneficiary to these instructions.

Please execute this letter in the space indicated to acknowledge your agreement to act in accordance with these instructions.

Very truly yours,

TITAN PHARMACEUTICALS, INC.

By: Name: Title:

Acknowledged and Agreed:

CONTINENTAL STOCK TRANSFER & TRUST COMPANY

By:	
Name:	
Title:	

Date: _____, ____

Annex I

Form of Exercise Notice

(To be executed by the Holder to exercise the right to purchase shares of Common Stock under the foregoing Warrants)

To: Titan Pharmaceuticals, Inc.

(1) The undersigned holder hereby exercises the right to purchase ______ of the shares of Common Stock (the "*Warrant Shares*") of Titan Pharmaceuticals, Inc., a Delaware corporation (the "*Company*") pursuant to the above-referenced Warrant (the "Warrant"). Capitalized terms used herein and not otherwise defined herein have the respective meanings set forth in the Warrant.

(2) The Holder intends that payment of the Exercise Price shall be made as (check one):

- □ "<u>Cash Exercise</u>" with respect to _____ Warrant Shares; and/or
- □ "<u>Cashless Exercise</u>" with respect to _____ Warrant Shares.

(3) If the Holder has elected a Cash Exercise, the holder shall pay the sum of \$______ to the Company in accordance with the terms of the Warrant.

(4) Pursuant to this Exercise Notice, the Company shall deliver to the Holder _____ Warrant Shares in accordance with the terms of the Warrant.

(5) By its delivery of this Exercise Notice, the undersigned represents and warrants to the Company that in giving effect to the exercise evidenced hereby, the Holder will not beneficially own in excess of the number of shares of Common Stock (as determined in accordance with Section 13(d) of the Securities Exchange Act of 1934) permitted to be owned under Section 11 of this Warrant to which this notice relates.

(6) By its delivery of this Exercise Notice, the undersigned represents and warrants to the Company that (i) if the Holder was a party to the Purchase Agreement, the representations made by such Holder in Section 3.2(b), (c) and (d) of the Purchase Agreement are true and correct as of the Exercise Date as if remade in their entirety or (ii) if the Holder is a transferee Holder that was not a party to the Purchase Agreement, the representations in Section 3.2(b), (c) and (d) of the Purchase Agreement, the representations in Section 3.2(b), (c) and (d) of the Purchase Agreement are true and correct as to the transferee Holder as of the Exercise Date.

Dated:	,		
Name of Holder:			

By:	
Name:	
Title:	

(Signature must conform in all respects to name of Holder as specified on the face of the Warrant)

ACKNOWLEDGEMENT

The Company hereby acknowledges this Exercise Notice and receipt of the appropriate exercise price and hereby directs Continental Stock Transfer & Trust Company to issue the above indicated number of shares of Common Stock in accordance with the Transfer Agent Instructions dated ______, ____, from the Company and acknowledged and agreed to by Continental Stock Transfer & Trust Company.

TITAN PHARMACEUTICALS, INC.

By: Name: Title:

<u>Annex II</u>

FORM OF NOTICE OF EFFECTIVENESS OF REGISTRATION STATEMENT

Continental Stock Transfer & Trust Company 17 Battery Place New York, NY 10004 Attn: _____

Re: Titan Pharmaceuticals, Inc.

Ladies and Gentlemen:

We are counsel to Titan Pharmaceuticals, Inc., a Delaware corporation (the "*Company*"), and have represented the Company in connection with that certain Securities Purchase Agreement, dated as of December 17, 2007, entered into by and among the Company and the buyers named therein (collectively, the "*Purchasers*") pursuant to which the Company issued to the Purchasers shares of the Company's common stock, \$0.001 par value per share (the "*Common Stock*"), and warrants exercisable for shares of Common Stock (the "*Warrants*"). Pursuant to that certain Registration Rights Agreement of even date, the Company agreed to register the resale of the Common Stock, including the shares of Common Stock issuable upon exercise of the Warrants (collectively, the "*Registrable Securities*"), under the Securities Act of 1933, as amended (the "*Securities Act*"). In connection with the Company's obligations under the Registration Rights Agreement, on , ______, the Company filed a Registration Statement on Form S-3 (File No. 333-______) (the "*Registration Statement*") with the Securities and Exchange Commission (the "*Commission*") relating to the Registrable Securities which names each of the Purchasers as a selling stockholder thereunder.

In connection with the foregoing, we advise you that a member of the Commission's staff has advised us by telephone that the Commission has entered an order declaring the Registration Statement effective under the Securities Act at ____ [a.m.][p.m.] on _____, and we have no knowledge, after telephonic inquiry of a member of the staff, that any stop order suspending its effectiveness has been issued or that any proceedings for that purpose are pending before, or threatened by, the Commission and the Registrable Securities are available for resale under the Securities Act pursuant to the Registration Statement.

This letter shall serve as our standing notice to you that the Common Stock may be freely transferred by the Purchasers pursuant to the Registration Statement. You need not require further letters from us to effect any future legend-free issuance or reissuance of shares of Common Stock to the Purchasers or the transferees of the Purchasers, as the case may be, as contemplated by the Company's Irrevocable Transfer Agent Instructions dated ______, ____, provided at the time of such reissuance, the Company has not otherwise notified you that the Registration Statement is unavailable for the resale of the Registrable Securities. This letter shall serve as our standing instructions with regard to this matter.

Very truly yours,

[NAME OF COMPANY COUNSEL]

By:

<u>EXHIBIT F</u>

Form of Secretary's Certificate

The undersigned hereby certifies that he is the duly elected, qualified and acting Secretary of Titan Pharmaceuticals, Inc., a Delaware corporation (the "*Company*"), and that as such he is authorized to execute and deliver this certificate in the name and on behalf of the Company and in connection with the Securities Purchase Agreement, dated as of December 17, 2007, by and among the Company and the investors party thereto (the "*Securities Purchase Agreement*"), and further certifies in his official capacity, in the name and on behalf of the Company, the items set forth below. Capitalized terms used but not otherwise defined herein shall have the meaning set forth in the Securities Purchase Agreement.

- 1. Attached hereto as <u>Exhibit A</u> is a true, correct and complete copy of the resolutions duly adopted by the Board of Directors of the Company at a meeting of the Board of Directors held on ______. Such resolutions have not in any way been amended, modified, revoked or rescinded, have been in full force and effect since their adoption to and including the date hereof and are now in full force and effect.
- 2. Attached hereto as <u>Exhibit B</u> is a true, correct and complete copy of the Certificate of Incorporation of the Company, together with any and all amendments thereto currently in effect, and no action has been taken to further amend, modify or repeal such Certificate of Incorporation, the same being in full force and effect in the attached form as of the date hereof.
- 3. Attached hereto as <u>Exhibit C</u> is a true, correct and complete copy of the Bylaws of the Company and any and all amendments thereto currently in effect, and no action has been taken to further amend, modify or repeal such Bylaws, the same being in full force and effect in the attached form as of the date hereof.
- 4. Each person listed below has been duly elected or appointed to the position(s) indicated opposite his name and is duly authorized to sign the Securities Purchase Agreement and each of the Transaction Documents on behalf of the Company, and the signature appearing opposite such person's name below is such person's genuine signature.

Signature

IN WITNESS WHEREOF, the undersig	ned has hereunto set his hand as	of this	day of	, 2007.	

Position

Name

Name: Title: Secretary I, _____, Chief Executive Officer, hereby certify that ____ Company and that the signature set forth above is his true signature.

_ is the duly elected, qualified and acting Secretary of the

Name: Title: Chief Executive Officer Resolutions

Certificate of Incorporation

EXHIBIT C

Bylaws

EXHIBIT G

Form of Officer's Certificate

The undersigned, the Chief Executive Officer of Titan Pharmaceuticals, Inc., a Delaware corporation (the "*Company*"), pursuant to Section 5.1(h) of the Securities Purchase Agreement, dated as of December 17, 2007, by and among the Company and the investors signatory thereto (the "*Securities Purchase Agreement*"), hereby represents, warrants and certifies as follows (capitalized terms used but not otherwise defined herein shall have the meaning set forth in the Securities Purchase Agreement):

- 1. The representations and warranties of the Company contained herein are true and correct in all material respects as of the date when made and as of the Closing Date, as though made on and as of such date, except for such representations and warranties that speak as of a specific date.
- 2. The Company has performed, satisfied and complied in all material respects with all covenants, agreements and conditions required by the Transaction Documents to be performed, satisfied or complied with by it at or prior to the Closing.

IN WITNESS WHEREOF, the undersigned has executed this certificate this _____ day of _____, 2007.

Name: Title: Chief Executive Officer

<u>EXHIBIT H</u>

Wire Instructions

Wire Room of:PNC Bank New Jersey
Caldwell, NJABA No.031207607For credit to:Lowenstein Sandler PC
Special Trust Account IIIAccount No.:8025720158

For International wires please use SWIFT Code: PNCCUS33

Schedule 3.1(a)

Subsidiaries

Subsidiary*	Jurisdiction of Incorporation	Name Under which Subsidiary does Business
Ingenex, Inc.	Delaware	This subsidiary is currently inactive
Developmental Therapeutics, Inc.	Delaware	Developmental Therapeutics

* The Company owns 100% of the outstanding common stock of Developmental Therapeutics, Inc. and 81% of the outstanding common stock of Ingenex, Inc.

Schedule 3.1(y)

Registration Rights

One individual has the right to have 1,500,000 shares of common stock underlying options registered pursuant to a Registration Statement on Form S-8.

Media/Investors:

The Trout Group

415-392-3385

Ian Clements



Titan Pharmaceuticals, Inc.

Company: Robert Farrell Executive Vice President & CFO 650-244-4990

FOR IMMEDIATE RELEASE

TITAN PHARMACEUTICALS TO RAISE \$21.3 MILLION IN PRIVATE PLACEMENT

South San Francisco, CA – December 18, 2007 – Titan Pharmaceuticals, Inc. (AMEX: TTP) today announced that it has obtained commitments to purchase shares of its common stock for gross proceeds of approximately \$21.3 million. Under the terms of the transaction, Titan will sell 13.3 million shares of its common stock at \$1.60 per share to select institutional investors. The investors will also receive warrants to purchase 6.65 million additional shares of its common stock at an exercise price of \$2.00 per share. The closing will occur upon the receipt of approval of listing of the new shares, and satisfaction of other customary closing conditions.

Canaccord Adams Inc. and Rodman & Renshaw, LLC acted as placement agents for the transaction.

The shares of common stock and warrants to be sold in the private placement have not been registered under the Securities Act of 1933, as amended, or state securities laws and may not be offered or sold in the United States absent registration with the Securities and Exchange Commission (SEC) or an applicable exemption from the registration requirements. Titan has agreed to file a registration statement with the SEC covering the resale of the shares of common stock, and shares of common stock underlying the warrants, issued in the private placement.

This press release shall not constitute an offer to sell or the solicitation of an offer to buy these securities, nor shall there be any sale of these securities in any state or jurisdiction in which such offer, solicitation or sale would be unlawful prior to registration or qualification under the securities laws of any such state or jurisdiction.

About Titan Pharmaceuticals

Titan Pharmaceuticals, Inc. (AMEX: TTP) is a biopharmaceutical company focused on the development and commercialization of novel treatments for central nervous system disorders, cardiovascular disease, bone disease and other disorders. Titan's products in development utilize novel technologies that have the potential to significantly improve the treatment of these diseases. Titan also establishes partnerships with government institutions and other leading pharmaceutical development companies. For more information, please visit the Company's website at www.titanpharm.com.

The press release may contain "forward-looking statements" within the meaning of Section 27A of the Securities Act of 1933 and Section 21E of the Securities Exchange Act of 1934. Such statements include, but are not limited to, any statements relating to the Company's development program and any other statements that are not historical facts. Such statements involve risks and uncertainties, including, but not limited to, those risks and uncertainties relating to difficulties or delays in development, testing, regulatory approval, production and marketing of the Company's drug candidates, adverse side effects or inadequate therapeutic efficacy of the Company's drug candidates that could slow or prevent product development or commercialization, the uncertainty of patent protection for the Company's intellectual property or trade secrets, and the Company's ability to obtain additional financing. Such statements are based on management's current expectations, but actual results may differ materially due to various factors, including those risks and uncertainties mentioned or referred to in this press release.