

As filed with the Securities and Exchange Commission on September 23, 2002

Registration No. 333-

SECURITIES AND EXCHANGE COMMISSION

WASHINGTON, D.C. 20549

FORM S-8

REGISTRATION STATEMENT UNDER THE SECURITIES ACT OF 1933

Titan Pharmaceuticals, Inc.

(Exact name of registrant as specified in its charter)

Delaware

(State or other jurisdiction
of incorporation or organization)

94-3171940

(I.R.S. employer
identification no.)

400 Oyster Point Blvd., South San Francisco, California

(Address of principal executive offices)

94080

(Zip code)

Titan Pharmaceuticals, Inc. 2001 Non-Qualified Stock Option Plan

Titan Pharmaceuticals, Inc. 2002 Stock Option Plan

(Full title of the plan)

Louis R. Bucalo, M.D., Chief Executive Officer

Titan Pharmaceuticals, Inc.

400 Oyster Point Blvd., Suite 505

South San Francisco, California 94080

(Name and address of agent for service)

(650) 244-4990

(Telephone number, including area code, of agent for service)

Copies to:

Fran Stoller, Esq.

Loeb & Loeb LLP

345 Park Avenue

New York, New York 10154

(212) 407-4000

CALCULATION OF REGISTRATION FEE

Title of each Class of Securities to be Registered	Amount to be Registered(1)	Proposed Maximum Offering Price Per Share(2)	Proposed Maximum Aggregate Offering Price	Amount of Registration Fee
Common Stock, \$.001 par value	3,750,000 shares	\$1.72	\$6,450,000	\$594

(1) Pursuant to Rule 416, promulgated under the Securities Act of 1933, as amended, an additional undeterminable number of shares of Common Stock is being registered to cover any adjustment in the number of shares of Common Stock pursuant to the anti-dilution provisions of the 2001 Non-Qualified Employee Stock Option Plan (the "2001 Plan") and the 2002 Stock Option Plan (the "2002 Plan"). These shares represent 1,750,000 shares of Common Stock which are authorized for issuance under the 2001 Plan and

2,000,000 shares of Common Stock which are authorized for issuance under the 2002 Plan.

- (2) Estimated in accordance with Rule 457(h) solely for the purpose of calculating the registration fee. The price shown is the average of the high and low price of the Common Stock on September 18, 2002 as reported by the American Stock Exchange.

PART II

INFORMATION REQUIRED IN THE REGISTRATION STATEMENT

Item 3. Incorporation of Documents by Reference

The following documents which we have filed with the Commission (File No. 0-27436) pursuant to the Exchange Act of 1934 are incorporated herein by reference:

1. Our Annual Report on Form 10-K for the fiscal year ended December 31, 2001, including any documents or portions thereof incorporated by reference therein;
2. Our Definitive Proxy Statement dated July 15, 2002;
3. Our Quarterly Report on Form 10-Q for the period ended June 30, 2002;
4. Our Quarterly Report on Form 10-Q for the period ended March 31, 2002;
5. Our Current Report on Form 8-K dated July 22, 2002;
6. Our Registration Statement on Form 8-A registering the common stock under the Exchange Act; and
7. All other documents filed by us pursuant to Sections 13(a), 13(c), 14 or 15(d) of the Exchange Act subsequent to the date of this prospectus and prior to the filing of a post-effective amendment which indicates that all securities offered have been sold or which deregisters all securities then remaining unsold.

Any statement contained in any document incorporated or deemed to be incorporated by reference herein shall be deemed to be modified or superseded for purposes of this prospectus to the extent that a statement contained herein or in any subsequently filed document which also is or is deemed to be incorporated by reference herein modifies or supersedes such statement. Any such statement so modified or superseded shall not be deemed, except as modified or superseded, to constitute a part of this prospectus.

We will provide without charge to each person to whom this prospectus is delivered, upon written or oral request of any such person, a copy of any or all of the documents incorporated herein by reference, other than exhibits to such documents which are not specifically incorporated by reference into such documents. Requests for documents should be directed to us at 400 Oyster Point Boulevard, South San Francisco, California 94080, Attention: Chief Financial Officer, telephone (650) 244-4990.

Item 6. Indemnification of Directors and Officers

The Amended and Restated Certificate of Incorporation and By-Laws of the Registrant provides that the Registrant shall indemnify any person to the full extent permitted by the Delaware General Corporation Law (the "GCL"). Section 145 of the GCL, relating to indemnification, is hereby incorporated herein by reference.

Insofar as indemnification for liabilities arising under the Securities Act of 1933, as amended (the "Securities Act"), may be permitted to directors, officers or controlling persons of the Registrant pursuant to the Registrant's By-laws and the Delaware General Corporation Law, the Registrant has been informed that in the opinion of the Securities and Exchange Commission such indemnification is against public policy as expressed in the Securities Act and is therefore unenforceable.

The Registrant's Amended and Restated Certificate of Incorporation includes certain provisions permitted pursuant to Delaware law whereby officers and directors of the Registrant are to be indemnified against certain liabilities. The Registrant's Amended and Restated Certificate of Incorporation also limits, to the fullest extent permitted by Delaware law, a director's liability for monetary damages for breach of fiduciary duty, including gross negligence, except liability for (i) breach of the director's duty of loyalty, (ii) acts or omissions not in good faith or which involve intentional

misconduct or a knowing violation of the law, (iii) the unlawful payment of a dividend or unlawful stock purchase or redemption and (iv) any transaction from which the director derives an improper personal benefit. Delaware law does not eliminate a director's duty of care and this provision has no effect on the availability of equitable remedies such as injunction or rescission based upon a director's breach of the duty of care.

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS, that each person whose signature appears below under the heading "Signature" constitutes and appoints Louis R. Bucalo and Robert E. Farrell or either of them, his true and lawful attorney-in-fact and agent with full power of substitution and resubstitution, for him and in his name, place and stead, in any and all capacities to sign any or all amendments to this registration statement, and to file the same, with all exhibits thereto and other documents in connection therewith, with the Securities and Exchange Commission, granting unto said attorneys-in-fact and agents, each acting alone, full power and authority to do and perform each and every act and thing requisite and necessary to be done in and about the premises, as fully for all intents and purposes as he might or could do in person, hereby ratifying and confirming all that said attorneys-in-fact and agents, each acting alone, or his substitute or substitutes, may lawfully do or cause to be done by virtue hereof.

Pursuant to the requirements of the Securities Act of 1933, this registration statement has been signed by the following persons in the capacities and on the dates indicated.

Signature	Title	Date
<hr/> <i>/s/ LOUIS R. BUCALO, M.D.</i> Louis R. Bucalo, M.D.	Chairman of the Board and Chief Executive Officer (Principal Executive Officer)	September 20, 2002
<hr/> <i>/s/ ERNST-GÜNTER AFTING, M.D., PH.D.</i> Ernst-Günter Afting, M.D., Ph.D.	Director	September 20, 2002
<hr/> <i>/s/ VICTOR J. BAUER, PH.D.</i> Victor J. Bauer, Ph.D.	Director	September 20, 2002
<hr/> <i>/s/ EURELIO M. CAVALIER</i> Eurelio M. Cavalier	Director	September 20, 2002
<hr/> <i>/s/ MICHAEL K. HSU</i> Michael K. Hsu	Director	September 20, 2002
<hr/> <i>/s/ HUBERT E. HUCKEL, M.D.</i> Hubert E. Huckel, M.D.	Director	September 20, 2002
<hr/>		
<hr/> <i>/s/ M. DAVID MACFARLANE, PH.D.</i> M. David MacFarlane, Ph.D.	Director	September 20, 2002
<hr/> <i>/s/ LEY S. SMITH</i> Ley S. Smith	Director	September 20, 2002
<hr/> <i>/s/ KONRAD M. WEIS, PH.D.</i> Konrad M. Weis, Ph.D.	Director	September 20, 2002
<hr/> <i>/s/ ROBERT E. FARRELL, J.D.</i> Robert E. Farrell, J.D.	Chief Financial Officer (Principal Financial and Accounting Officer)	September 20, 2002

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TITAN PHARMACEUTICALS, INC.

2001 NON-QUALIFIED EMPLOYEE STOCK OPTION PLAN

1. *Purpose.* Titan Pharmaceuticals, Inc., a Delaware corporation ("*Titan*"), desires to attract and retain the best available talent and to encourage the highest level of performance. The Titan Pharmaceuticals, Inc. 2001 Non-Qualified Employee Stock Option Plan (the "*Plan*") is intended to contribute significantly to the attainment of these objectives by affording eligible employees and independent contractors of Titan and its Affiliates (as hereinafter defined) (collectively, with Titan, the "*Company*") the opportunity to acquire a proprietary interest in Titan through the grant of stock options ("*Options*") to purchase shares of common stock, \$.001 par value per share, of Titan (the "*Common Stock*").

2. *Administration.*

(a) *In General.* Subject to paragraph (b) hereof, the Plan shall be administered by the board of directors of Titan (the "*Board*"). The Board shall have plenary authority in its discretion, to the maximum extent permissible by law, subject to and not inconsistent with the express provisions of the Plan, to make all awards of Options under the Plan, to select from among eligible persons those individuals who will be awarded Options, to determine the number of shares of Common Stock covered by each Option, the Option exercise price per share of Common Stock covered by each Option (and, in connection therewith, determine the Fair Market Value of the Common Stock for purposes of the Plan), and the restrictions, if any, which shall apply to the Common Stock subject to an Option, to determine the terms and conditions of each Option, to approve the form of each Option agreement (an "*Option Agreement*"), to amend any such Option Agreement from time to time, to construe and interpret the Plan and all Option Agreements executed thereunder and to make all other determinations necessary or advisable for the administration of the Plan. In exercising its authority to set the terms and conditions of Options, and subject only to the limits of applicable law, the Board shall be under no obligation or duty to treat similarly situated grantees of an Option Agreement ("*Optionees*") in the same manner, and any action taken by the Board with respect to the grant of an Option to one Optionee shall in no way obligate the Board to take the same or similar action with respect to any other Optionee. The Board may exercise its discretion in a manner such that Options which are granted to individuals who are foreign nationals or are employed outside the United States contain terms and conditions which are different from the provisions otherwise specified in the Plan but which are consistent with the tax and other laws of foreign jurisdictions applicable to the Optionee and which are designed to provide the Optionee with benefits which are consistent with the Company's objectives in establishing the Plan. The Board may adopt such rules, as it deems necessary or advisable in order to carry out the purpose of the Plan. All questions of interpretation, administration and application of the Plan shall be determined by a majority of the members of the Board then in office, except that the Board may authorize any one or more of its members, or any officer of the Company, to execute and deliver documents (including any applicable Option Agreement) on behalf of the Board or Titan. Any interpretation or determination made by the Board pursuant to the foregoing shall be conclusive and binding upon any person having or claiming any interest under the Plan.

(b) *Appointment of Committee.* Notwithstanding paragraph (a), the Board may appoint a committee of not fewer than one member of the Board (the "*Committee*") and transfer to the Committee some or all of its authority hereunder. If the Board creates a Committee, the Board may from time to time appoint members of the Committee in substitution for or in addition to members previously appointed and may fill vacancies, however caused, in the Committee. To the extent necessary to be consistent with the provisions of this paragraph (b), any reference in the Plan and/or an Option Agreement to a decision, determination or action of the Board shall be read and understood as referring to a decision, determination or action of the Committee.

(c) *Liability of Board and Committee Members.* Except as otherwise required by law, no member of the Board or the Committee shall be liable for anything whatsoever in connection with the administration of the Plan other than such member's own willful misconduct. Under no circumstances shall any member of the Board or the Committee be liable for any act or omission of any other member of the Board or the Committee. In the performance of its functions with respect to the Plan, the Board and the Committee shall be entitled to rely upon information and advice furnished by Titan's officers, Titan's accountants, Titan's legal counsel and any other party the Board and Committee deems necessary, and no member of the Board or Committee shall be liable for any action taken or not taken in reliance upon any such advice.

3. *Type of Options.* Options granted under the Plan shall be nonqualified stock options ("*NSOs*") which are not intended to meet the requirements of Code Section 422.

4. *Eligible Persons.* Options may be awarded only to (i) employees of the Company who do not serve as executive officers or members of the Board and (ii) independent contractors of the Company. For purposes hereof, independent contractors shall include consultants and advisors of the Company who do not serve in any executive capacity with the Company and are not members of the Board. In determining the persons to whom awards shall be made and the number of shares to be covered by each Option, the Board shall take into account the duties of the respective persons, their present and potential contributions to the success of the Company and such other factors as the Board, in its discretion, shall deem relevant in connection with accomplishing the purposes of the Plan.

5. *Shares Subject to the Plan.* No more than one million seven hundred fifty thousand (1,750,000) shares of Common Stock shall be

issued pursuant to the exercise of Options granted under the Plan. Such aggregate numbers shall be subject to adjustment as provided in Section 16. If an Option is forfeited or expires without being exercised, the shares of Common Stock subject to the Option shall be available for additional Option grants under the Plan. If an Option is exercised in whole or in part by an Optionee by tendering previously owned shares of Common Stock, or if any shares are withheld in connection with the exercise of its Option to satisfy the Optionee's tax liability, the full number of shares in respect of which the Option has been exercised shall be applied against the limit set forth in this Section 5.

6. *Term of Options.* The term of each Option shall be fixed by the Board and specified in the applicable Option Agreement, but in no event shall it be more than ten years from the date of grant, subject to earlier termination as provided in Section 8. The term of an Option may be extended from time to time by the Board, provided that no such extension shall extend the term beyond ten years from the date of grant.

7. *Vesting.* The Board shall determine the vesting schedule applicable to a particular Option grant and specify the vesting schedule in the applicable Option Agreement. Notwithstanding the foregoing the Board may accelerate the vesting of an Option at any time.

8. *Termination of Relationship to the Company.*

(a) *Options Granted To Employees.* With respect to an Option granted to an individual who is an employee of the Company at the time of Option grant, unless the Option Agreement expressly provides to the contrary, (i) the Option shall terminate immediately upon the Optionee's termination of employment for Cause (as defined in Section 22); (ii) in the event that the Optionee's employment with the Company shall terminate by reason of death or Disability (as hereinafter defined) the Option shall terminate one year following such termination (but shall not continue to vest during such one year period); and (iii) the Option shall terminate three months after the Optionee's termination of employment for any other reason (but shall not continue to vest during such three month period); provided, however, that if an Optionee who terminates his employment with the Company immediately thereafter becomes a consultant to the Company pursuant to a written agreement which so specifies, the Optionee will be deemed to satisfy the requirements of this Section 8(a) during the period of the Optionee's consultancy. In no event shall an Option remain exercisable beyond the expiration date specified in the applicable Option

Agreement. An Option Agreement may contain such provisions as the Board shall approve with reference to the determination of the date employment terminates for purposes of the Plan and the effect of leaves of absence, which provisions may vary from one another. For purposes hereof, except as otherwise specified in the applicable Option Agreement or in the Optionee's Employment Agreement with the Company, the Optionee shall be deemed to have a "Disability" if the Optionee is unable to engage in any substantial gainful activity by reason of any medically determined physical or mental impairment which can be expected to result in death or which has lasted or can be expected to last for a continuous period of not less than **twelve (12)** months, as reasonably determined by the Board in good faith and in its discretion.

(b) *Options Granted to Independent Contractors.* With respect to an Option granted to an individual who is not an employee of the Company at the time of Option grant, the Board shall determine and specify in the applicable Option Agreement the consequences, if any, of the termination of the Optionee's relationship with the Company.

9. *Option Exercise Price.* The Option exercise price per share of Common Stock covered by an Option shall be established by the Board.

10. *Exercise of Options.*

(a) An Option may be exercised at any time and from time to time, in whole or in part, as to any or all full shares as to which the Option is then exercisable; provided, however, that if so specified in the Option Agreement, the Option may not, in a single exercise, be exercised for fewer than the minimum number of shares specified in the Option Agreement, unless the exercise is for all of the shares as to which the Option is then exercisable. An Option may not be exercised with respect to a fractional share. If an Option is exercised with respect to all of the whole shares as to which the Option is then exercisable, and the Option remains exercisable with respect to less than one share of Common Stock, the Company shall pay the Optionee the excess of (i) the Fair Market Value of such remaining fractional share, over (ii) the Option exercise price for such remaining fractional share, and the Option shall terminate with respect to such fractional share. An Optionee (or other person who, pursuant to Section 13, may exercise the Option) shall exercise the Option by delivering to Titan at the address provided in the Option Agreement a written, signed notice of exercise, stating the number of shares of Common Stock with respect to which the option exercise is being made, and satisfy the requirements of paragraph (b) of this Section 10. Upon receipt by Titan of any notice of exercise, the exercise of the Option as set forth in that notice shall be irrevocable.

(b) Upon exercise of an Option the Optionee shall pay to Titan the Option exercise price per share of Common Stock multiplied by the number of full shares as to which the Option is then exercised. Options granted under the Plan may provide for the payment of the exercise price by delivery of cash or a check to the order of the Company in an amount equal to the exercise price of such options, by surrender of shares having a Fair Market Value equal to the purchase price, or by any other means, including pursuant to provisions for cashless exercise, which the Board of Directors or Committee determines are consistent with the purpose of the Plan and with applicable laws and regulations (including, without limitation, the provisions of Rule 16b-3 and Regulation T promulgated by the Federal Reserve Board).

(c) An Optionee shall, upon notification of the amount due and prior to or concurrently with delivery of the certificate representing the shares as to which the Option has been exercised, promptly pay or cause to be paid the amount determined by the Board as necessary to satisfy all applicable tax withholding requirements. An Optionee may satisfy his or her tax withholding requirement in any manner satisfactory to the Company.

(d) The certificate representing the shares as to which an Option has been exercised shall bear an appropriate legend setting forth the restrictions applicable to such shares.

11. *Option Agreement.* The terms and conditions of each Option shall be set forth in an Option Agreement in the form approved by the Board. Each Option Agreement shall be executed by Titan

and the Optionee. Each Option Agreement shall, at a minimum, specify (i) the number of shares of Common Stock subject to the Option, (ii) the provisions related to vesting and exercisability of the Option, including the Option exercise price, and (iii) that the Option is subject to the terms and provisions of the Plan and that in the event of any conflict between the Option Agreement and the Plan, the Plan shall control. The Option Agreement may also contain such other terms and conditions as the Board determines to be necessary or advisable. Option Agreements may vary from one another.

12. *No Stockholder Rights.* No Optionee shall have the rights of a stockholder with respect to shares covered by an Option until such person becomes the holder of record of such shares.

13. *Nontransferability.*

(a) Except as provided in paragraph (b), Options granted under the Plan shall not be assignable or transferable other than by will or the laws of descent and distribution and Options may be exercised during the lifetime of the Optionee only by the Optionee or by the Optionee's guardian or legal representative. In the event of any attempt by an Optionee to transfer, assign, pledge, hypothecate or otherwise dispose of an Option or any right thereunder, except as provided for herein, or in the event of the levy of any attachment, execution or similar process upon the rights or interest hereby conferred, Titan may terminate the Option by notice to the Optionee and it shall thereupon become null and void.

(b) Notwithstanding paragraph (a), if (and on the terms) so provided in the applicable Option Agreement, an Optionee may transfer a NSO, by gift or a domestic relations order, to a Family Member of the Optionee (as defined in Section 22). If a NSO is transferred in accordance with this subparagraph, the Option shall be exercisable solely by the transferee, but the determination of the exercisability of the Option shall be based solely on the activities and state of affairs of the Optionee. Thus, for example, if after a transfer the Optionee ceases to be an employee of the Company, such termination shall trigger the provisions of Section 8 hereof. Conversely, if after a transfer the transferee ceases to be an employee of the Company, such termination shall not trigger the provisions of Section 8 hereof.

14. *Compliance with Law; Registration of Shares.*

(a) The Plan and any grant hereunder shall be subject to all applicable laws, rules, and regulations of any applicable jurisdiction or authority or agency thereof and to such approvals by any regulatory or governmental agency which, in the opinion of Company's counsel, may be required or appropriate.

(b) Notwithstanding any other provision of this Plan or Option Agreements made pursuant hereto, the Company shall not be required to issue or deliver any certificate or certificates for shares of Common Stock under this Plan prior to fulfillment of all of the following conditions:

i. Effectiveness of any registration or other qualification of such shares of the Company under any law or regulation of any applicable jurisdiction or authority or agency thereof which the Board shall, in its absolute discretion or upon the advice of counsel, deem necessary or advisable; and

ii. Grant of any other consent, approval or permit from any applicable jurisdiction or authority or agency thereof or securities exchange or quotation system which the Board shall, in its absolute discretion or upon the advice of counsel, deem necessary or advisable.

The Company shall use all reasonable efforts to obtain any consent, approval or permit described above; provided, however, that except to the extent as may be specified in an Option Agreement with respect to any particular Option grant, the Company shall be under no obligation to register or qualify any shares subject to an Option under any federal or state securities law or on any exchange.

15. *No Restriction on the Right of Titan to Effect Corporate Changes.* The Plan and the Options granted hereunder shall not affect in any way the right or power of Titan or its stockholders to make

or authorize any or all adjustments, recapitalization, reorganizations or other changes in Titan's (or a Titan Affiliate's) capital structure or its business, or any merger or consolidation of Titan (or a Titan Affiliate), or any issue of stock or of options, warrants or rights to purchase stock or of bonds, debentures, preferred or prior preference stocks whose rights are superior to or affect the Common Stock or the rights of holders thereof or which are convertible into or exchangeable for Common Stock, or the dissolution or liquidation of Titan (or a Titan Affiliate), or any sale or transfer of all or any part of its assets or business, or any other corporate act or proceeding, whether of a similar character or otherwise.

16. *Certain Adjustments.*

(a) In the event that Titan or the division, subsidiary or other Affiliate for which an Optionee performs services is sold (including a stock or an asset sale), spun off, merged, consolidated, reorganized or liquidated, the Board may determine that (i) the Option shall be assumed, or a substantially equivalent Option shall be substituted, by an acquiring or succeeding entity (or an affiliate thereof) on such terms as the Board determines to be appropriate; (ii) upon written notice to the Optionee, provide that the Option shall terminate immediately prior to the consummation of the transaction unless exercised by the Optionee within a specified period following the date of the notice; (iii) in the event of a sale or similar transaction under the terms of which holders of Common Stock receive a payment for

each share of Common Stock surrendered in the transaction (the "*Sales Price*"), make or provide for a payment to each Optionee equal to the amount by which (A) the Sales Price times the number of shares of Common Stock subject to the Option (to the extent such Option is then exercisable) exceeds (B) the aggregate exercise price for all such shares of Common Stock; or (iv) may make such other equitable adjustments as the Board deems appropriate.

(b) In the event of any stock dividend or split, recapitalization, combination, exchange or similar change affecting the Common Stock, or any other increase or decrease in the number of issued shares of Common Stock effected without receipt of consideration by the Company, the Board shall make any or all of the following adjustments as it deems appropriate to equitably reflect such event: (i) adjust the aggregate number of shares (or such other security as is designated by the Board) which may be acquired pursuant to the Plan, (ii) adjust the option price to be paid for any or all such shares subject to the then outstanding Options, (iii) adjust the number of shares of Common Stock (or such other security as is designated by the Board) subject to any or all of the then outstanding Options and (iv) make any other equitable adjustments or take such other equitable action as the Board, in its discretion, shall deem appropriate. For purposes hereof, the conversion of any convertible securities of the Company shall not be deemed to have been "effected without receipt of consideration."

(c) Any and all adjustments or actions taken by the Board pursuant to this Section shall be conclusive and binding for all purposes.

17. *No Right to Continued Employment.* Neither the Plan nor any action taken hereunder shall be construed as giving any employee or any independent contractor any right to continue in the employ of or to be engaged as an independent contractor by the Company or affect the right of the Company to terminate such person's employment or other relationship with the Company at any time.

18. *Amendment; Early Termination.* The Board may at any time and from time to time alter, amend, suspend or terminate the Plan in whole or in part; provided, however, that no amendment requiring stockholder approval by law or by the rules of any stock exchange, inter-dealer quotation system, or other market in which shares of Common Stock are traded, shall be effective unless and until such stockholder approval has been obtained in compliance with such rule or law; and provided, further, that no such amendment shall materially adversely affect the rights of an Optionee in any Option previously granted under the Plan without the Optionee's written consent.

19. *Effective Date.* The Plan shall be effective as of the date of its adoption by the Board (the "*Effective Date*").

20. *Termination of Plan.* Unless terminated earlier by the Board in accordance with Section 18 above, the Plan shall terminate on, and no further Options may be granted after, the tenth anniversary of the Effective Date.

21. *Severability.* In the event that any one or more provisions of the Plan or an Option Agreement, or any action taken pursuant to the Plan or an Option Agreement, should, for any reason, be unenforceable or invalid in any respect under the laws of the United States, any state of the United States or any other jurisdiction, such unenforceability or invalidity shall not affect any other provision of the Plan or Option Agreement, but in such particular jurisdiction and instance the Plan and/or Option Agreement, as applicable, shall be construed as if such unenforceable or invalid provision had not been contained therein or if the action in question had not been taken thereunder.

22. *Definitions.*

(a) *Affiliate.* The term "Affiliate" means any entity, whether or not incorporated, that directly or through one or more intermediaries is controlled by Titan.

(b) *Cause.* The term "Cause" when used herein in conjunction with termination of employment (or other service relationship) means (i) if the Optionee is a party to an employment or similar agreement with the Company which defines "cause" (or a similar term), the meaning set forth in such agreement (other than death or disability), or (ii) otherwise, termination by the Company of the employment (or other service relationship) of the Optionee by reason of the Optionee's (1) intentional failure to perform reasonably assigned duties, (2) dishonesty or willful misconduct in the performance of his duties, (3) involvement in a transaction which is materially adverse to the Company, (4) breach of fiduciary duty involving personal profit, (5) willful violation of any law, rule, regulation or court order (other than misdemeanor traffic violations and misdemeanors not involving misuse or misappropriation of money or property), (6) commission of an act of fraud or intentional misappropriation or conversion of any asset or opportunity of the Company, or (7) material breach of any provision of the Company's Stock Option Plan, the Optionee's Option Agreement or any other written agreement between the Optionee and the Company, in each case as determined in good faith by the Board, whose determination shall be final, conclusive and binding on all parties.

(c) *Fair Market Value.* As used herein, the term "Fair Market Value" means, with respect to Common Stock on any given date, the average of the closing sales prices of the Common Stock for the three trading days preceding such date on the American Stock Exchange or any stock exchange (including the Nasdaq Stock Market) on which the Common Stock may be listed, as reported in The Wall Street Journal. If the Common Stock is not listed on the American Stock Exchange, the Nasdaq Stock Market or on a national stock exchange, but is quoted on the OTC Bulletin Board or by the National Quotation Bureau, the Board shall determine fair market value based on the mean of the bid and asked prices per share of the Common Stock for such date. If the Common Stock is not quoted or listed as set forth above, fair market value shall be determined by the Board in good faith by any fair and reasonable means. The fair market value of property other than Common Stock shall be determined by the Board in good faith by any fair and reasonable means.

(d) *Family Member of the Optionee.* As used herein, "Family Member of the Optionee" means the Optionee's child, stepchild, grandchild, parent, stepparent, grandparent, spouse, former spouse, sibling, niece, nephew, mother-in-law, father-in-law, son-in-law, daughter-in-law, brother-in-law, or sister-in-law, including adoptive relationships, any person sharing the Optionee's household (other than a tenant or employee), a trust in which these persons have more than 50% of the beneficial interest, a foundation in which these persons (or the Optionee) control the management of assets, and any other entity in which these persons (or the Optionee) own more

than 50% of the voting interests.

23. *Transfers to and from Affiliates.* For all Plan purposes, a transfer of an employee from Titan to a Titan Affiliate or visa versa, or a transfer from one Titan Affiliate to another, will not be treated as a termination of employment.

24. *Headings.* The headings of sections and subsections herein are included solely for convenience of reference and shall not affect the meaning of any of the provisions of the Plan.

25. *Governing Law.* This Plan and all rights hereunder shall be construed in accordance with and governed by the laws of the State of Delaware, without regard to its conflicts of law principles.

Adopted by the Board of Directors on July 27, 2001 and amended on September 5, 2002.

QuickLinks

[Exhibit 4.1](#)

[TITAN PHARMACEUTICALS, INC. 2001 NON-QUALIFIED EMPLOYEE STOCK OPTION PLAN](#)

TITAN PHARMACEUTICALS, INC.

2002 STOCK OPTION PLAN

1. *Purpose.* Titan Pharmaceuticals, Inc., a Delaware corporation ("*Titan*"), desires to attract and retain the best available talent and to encourage the highest level of performance. The Titan Pharmaceuticals, Inc. 2002 Stock Option Plan (the "*Plan*") is intended to contribute significantly to the attainment of these objectives by affording eligible employees and independent contractors of Titan and its Affiliates (as defined in Section 23) (collectively, with Titan, the "*Company*") the opportunity to acquire a proprietary interest in Titan through the grant of stock options ("*Options*") to purchase shares of common stock, \$.001 par value per share, of Titan (the "*Common Stock*").

2. *Administration.*

(a) The Plan shall be administered by a committee (the "*Committee*") of not fewer than two members of the board of directors of Titan (the "*Board*") who shall be appointed by and serve at the pleasure of the Board. To the extent necessary to comply with Rule 16b-3 under the Securities Exchange Act of 1934, as amended (the "*Exchange Act*") with respect to Option grants to officers and directors, each member of the Committee shall be a "non-employee director" within the meaning of Rule 16b-3 and, to the extent necessary to exclude Options granted under the Plan from the calculation of the income tax deduction limit under Section 162(m) of the Internal Revenue Code of 1986, as amended (the "*Code*"), each member of the Committee shall be an "outside director" within the meaning of Section 162(m) of the Code and Treasury Regulations promulgated thereunder. A majority of the Committee shall constitute a quorum.

(b) The Committee shall have and may exercise all of the powers of the Board under the Plan, other than the power to appoint a director to Committee membership. The Committee shall have plenary authority in its discretion, subject to and consistent with the express provisions of the Plan, to direct the grants of options; to determine the numbers of shares of Common Stock covered by each option or award, the purchase price of the Common Stock covered by each option, the individuals to whom ("*Optionees*") and the time or times at which Options shall be granted or may be exercised; to prescribe, amend and rescind rules and regulations relating to the Plan, including, without limitation, such rules and regulations as it shall deem advisable so that transactions involving options or awards may qualify for exemption under such rules and regulations as the Securities and Exchange Commission may promulgate from time to time exempting transactions from Section 16(b) of the Exchange Act; to determine the terms and provisions of, and to cause the Company to enter into, agreements with Optionees in connection with Option grants under the Plan ("*Option Agreements*"), which Option Agreements may vary from one another, as the Committee shall deem appropriate; to amend any Option Agreement from time to time with the consent of the Optionee; and to make all other determinations the Committee may deem necessary or advisable for the administration of the Plan. Every action, decision, interpretation or determination made by the Committee or the Board with respect to the application or administration of the Plan shall be conclusive and binding upon the Company and any person having or claiming any interest pursuant to any Option granted under the Plan.

(c) Except as otherwise required by law, no member of the Board or the Committee shall be liable for anything whatsoever in connection with the administration of the Plan other than such member's own willful misconduct. Under no circumstances shall any member of the Board or the Committee be liable for any act or omission of any other member of the Board or the Committee. The Board and the Committee shall be entitled to rely, in the performance of its functions with respect to the Plan, upon information and advice furnished by Titan's officers, Titan's accountants, Titan's legal counsel and any other party the Board and Committee deems necessary. No member of the Board or Committee shall be liable for any action taken or not taken in reliance upon any such advice.

(d) Each Option under the Plan shall be deemed to have been granted when the determination of the Committee with respect to such Option is made. Once an option has been granted, all conditions and requirements of the Plan with respect to such Option shall be deemed conditions on exercise, not grant.

3. *Type of Options.* Options granted under the Plan may be either incentive stock options ("*ISOs*") intended to meet the requirements of Code Section 422 or nonqualified stock options ("*NSOs*") which are not intended to meet such Code requirements.

4. *Eligible Persons.* Subject in the case of ISOs to Section 16(a), Options may be granted to employees, officers and directors of, and consultants and advisors to, the Company. In determining the persons to whom awards shall be made and the number of shares to be covered by each Option, the Committee shall take into account the duties of the respective persons, their present and potential contributions to the success of the Company and other factors deemed relevant by the Committee in connection with accomplishing the purposes of the Plan.

5. *Share Limitations under the Plan.*

(a) Subject to adjustment as provided in Section 15 and the provisions of this Section 5, a maximum of two million (2,000,000) shares of Common Stock shall be reserved for issuance pursuant to the exercise of Options granted under the Plan. This amount shall be increased by the residual shares remaining in all Predecessor Plans, regardless of whether those shares (i) were available for transfer to this Plan upon the Effective Date, or (ii) subsequently become available (e.g., by reason of forfeiture of a grant). It is

intended that no new grants shall be made under the Predecessor Plans. If an Option is forfeited or expires without being exercised, the shares of Common Stock subject to the Option shall be available for additional Option grants under the Plan. If an Option is exercised in whole or in part by an Optionee tendering previously owned shares of Common Stock, or if any shares are withheld in connection with the exercise of its Option to satisfy the Optionee's tax liability, the full number of shares in respect of which the Option has been exercised shall be applied against the limit set forth in this Section 5(a).

(b) Titan may grant options under the Plan in substitution for options held by employees of another corporation who become employees of Titan or an Affiliate as the result of a merger or consolidation of the employing corporation with Titan or an Affiliate, or as a result of the acquisition by Titan or an Affiliate of property or stock of the employing corporation. Substitute options be granted on such terms as the Committee considers appropriate in the circumstances. Substitute options shall be in addition to the limit set forth in Section 5(a).

(c) The maximum aggregate number of shares of Common Stock for which Options may be granted to any one individual within one fiscal year of Titan shall be five hundred thousand (500,000).

(d) The aggregate numbers set forth in this Section 5 shall be subject to adjustment as provided in Section 15.

6. *Term of Options.* The term of each Option shall be fixed by the Committee and specified in the applicable Option Agreement, but in no event shall it be more than ten years from the date of grant, subject to earlier termination as provided in Section 8. Subject in the case of ISOs to Section 16, the term of an Option may be extended from time to time by the Committee, provided that no extension shall extend the term beyond ten years from the date of grant.

7. *Vesting.* The Committee shall determine the vesting schedule applicable to a particular Option grant and specify the vesting schedule in the applicable Option Agreement. Notwithstanding the foregoing the Committee may accelerate the vesting of an Option at any time.

8. *Termination of Relationship to the Company.*

(a) With respect to an Option granted to an individual who is an employee of the Company at the time of Option grant, unless the Option Agreement expressly provides to the contrary,

(i) the Option shall terminate immediately upon the Optionee's termination of employment for Cause (as defined in Section 23); (ii) subject in the case of ISOs to Section 16, the Option shall terminate two years following the Optionee's termination of employment by reason of death or Disability (as defined in Section 23); (iii) subject in the case of ISOs to Section 16, the Option shall terminate two years after Retirement (as defined in Section 23); (iv) the Option shall terminate three months after the Optionee's termination of employment for any other reason; and (v) vesting of an Option will terminate in all cases immediately upon termination of employment. In no event shall an Option remain exercisable beyond the expiration date specified in the applicable Option Agreement. An Option Agreement may contain such provisions as the Board shall approve with reference to the determination of the date employment terminates for purposes of the Plan and the effect of leaves of absence, which provisions may vary from one another.

(b) With respect to an Option granted to an individual who is not an employee of the Company at the time of Option grant, the Board shall determine and specify in the applicable Option Agreement the consequences, if any, of the termination of the Optionee's relationship with the Company.

9. *Option Price.* Subject in the case of ISOs to Section 16, the exercise price per share of Common Stock covered by an Option shall be established by the Committee; provided, however, that (a) the exercise price per share for any Option shall not be less than one-hundred-percent (100%) of the Fair Market Value of a share of Common Stock on the date the Option is granted and (b) no ISO granted to a 10% Shareholder (as defined in Section 16) shall have a exercise price per share less than one hundred ten percent (110%) of the Fair Market Value of a share of Common Stock on the date the Option is granted. Notwithstanding the foregoing, an Option (whether an ISO or NSO) may be granted with an exercise price lower than the minimum exercise price set forth above if such Option is granted pursuant to an assumption or substitution for another option in a manner qualifying under the provision of Section 424(a) of the Code.

10. *Exercise of Options.*

(a) An Option may be exercised at any time and from time to time, in whole or in part, as to any or all full shares as to which the Option is then exercisable. An Option may not be exercised with respect to a fractional share. An Optionee (or other person who, pursuant to Section 13, may exercise the Option) shall exercise the Option by delivering to Titan at the address provided in the Option Agreement a written, signed notice of exercise, stating the number of shares of Common Stock with respect to which the option exercise is being made, and satisfy the requirements of paragraph (b) of this Section 10. Upon receipt by Titan of any notice of exercise, the exercise of the Option as set forth in that notice shall be irrevocable.

(b) Upon exercise of an Option, the Optionee shall pay to Titan the Option exercise price per share of Common Stock multiplied by the number of full shares as to which the Option is then exercised. An Optionee may pay the Option exercise price by tendering or causing to be tendered to Titan cash, by delivery or deemed delivery of shares of Common Stock owned by the Optionee for at least six months preceding the date of exercise of the Option (or such shorter or longer period as the Committee may approve or require from time to time) having a Fair Market Value equal to the exercise price or other property permitted by law and acceptable to the Board or Committee, or by any other means which the Board or Committee determines are consistent with the purpose of the Plan and with applicable laws and regulations (including, without limitation, the provisions of Rule 16b-3 and Regulation T promulgated by the Federal Reserve Board).

(c) An Optionee shall, upon notification of the amount due and prior to or concurrently with delivery of the certificate representing the shares as to which the Option has been exercised, promptly pay or cause to be paid the amount determined by the

Company as necessary to satisfy all applicable tax withholding requirements. An Optionee may satisfy his or her tax withholding requirement in any manner satisfactory to the Company.

(d) The certificate representing the shares as to which an Option has been exercised shall bear an appropriate legend setting forth the restrictions applicable to such shares.

11. *Option Agreement.* The terms and conditions of each Option shall be set forth in an Option Agreement in the form approved by the Committee. Each Option Agreement shall, at a minimum, specify (i) the number of shares of Common Stock subject to the Option, (ii) whether the Option is intended to be an ISO or NSO, (iii) the provisions related to vesting and exercisability of the Option, including the Option exercise price, and (iv) that the Option is subject to the terms and provisions of the Plan. Option Agreements may differ from one another.

12. *No Stockholder Rights.* No Optionee shall have the rights of a stockholder with respect to shares covered by an Option until such person becomes the holder of record of such shares.

13. *Nontransferability.*

(a) Except as provided in paragraph (b), Options granted under the Plan shall not be assignable or transferable other than by will or the laws of descent and distribution and Options may be exercised during the lifetime of the Optionee only by the Optionee or by the Optionee's guardian or legal representative. In the event of any attempt by an Optionee to transfer, assign, pledge, hypothecate or otherwise dispose of an Option or any right thereunder, except as provided for herein, or in the event of the levy of any attachment, execution or similar process upon the rights or interest hereby conferred, Titan may terminate the Option by notice to the Optionee and it shall thereupon become null and void.

(b) Notwithstanding paragraph (a), if (and on the terms) so provided in the applicable Option Agreement, an Optionee may transfer a NSO, by gift or a domestic relations order, to a Family Member of the Optionee (as defined in Section 23). If a NSO is transferred in accordance with this subparagraph, the Option shall be exercisable solely by the transferee, but the determination of the exercisability of the Option shall be based solely on the activities and state of affairs of the Optionee. Thus, for example, if after a transfer the Optionee ceases to be an employee of the Company, such termination shall trigger the provisions of Section 8 hereof. Conversely, if after a transfer the transferee ceases to be an employee of the Company, such termination shall not trigger the provisions of Section 8 hereof.

14. *Compliance with Law; Registration of Shares.*

(a) The Plan and any grant hereunder shall be subject to all applicable laws, rules, and regulations of any applicable jurisdiction or authority or agency thereof and to such approvals by any regulatory or governmental agency which, in the opinion of Company's counsel, may be required or appropriate.

(b) Notwithstanding any other provision of the Plan or Option Agreements made pursuant hereto, the Company shall not be required to issue or deliver any certificate or certificates for shares of Common Stock under the Plan prior to fulfillment of all of the following conditions:

i. Effectiveness of any registration or other qualification of such shares of the Company under any law or regulation of any applicable jurisdiction or authority or agency thereof which the Board shall, in its absolute discretion or upon the advice of counsel, deem necessary or advisable; and

ii. Grant of any other consent, approval or permit from any applicable jurisdiction or authority or agency thereof or securities exchange or quotation system which the Board shall, in its absolute discretion or upon the advice of counsel, deem necessary or advisable.

The Company shall use all reasonable efforts to obtain any consent, approval or permit described above; provided, however, that except to the extent as may be specified in an Option Agreement with respect to any particular Option grant, the Company shall be under no obligation to register or qualify any shares subject to an Option under any federal or state securities law or on any exchange.

15. *Adjustments upon Changes in Capitalization.*

(a) In the event that Titan or the division, subsidiary or other Affiliate for which an Optionee performs services is sold (including a stock or an asset sale), spun off, merged, consolidated, reorganized or liquidated, the Board may determine that (i) the Option shall be assumed, or a substantially equivalent Option shall be substituted, by an acquiring or succeeding entity (or an affiliate thereof) on such terms as the Board determines to be appropriate; (ii) upon written notice to the Optionee, provide that the Option shall terminate immediately prior to the consummation of the transaction unless exercised by the Optionee within a specified period following the date of the notice; (iii) in the event of a sale or similar transaction under the terms of which holders of Common Stock receive a payment for each share of Common Stock surrendered in the transaction (the "*Sales Price*"), make or provide for a payment to each Optionee equal to the amount by which (A) the Sales Price times the number of shares of Common Stock subject to the Option (to the extent such Option is then exercisable) exceeds (B) the aggregate exercise price for all such shares of Common Stock; or (iv) may make such other equitable adjustments as the Board deems appropriate.

(b) In the event of any stock dividend or split, recapitalization, combination, exchange or similar change affecting the Common

Stock, or any other increase or decrease in the number of issued shares of Common Stock effected without receipt of consideration by the Company, the Committee shall make any or all of the following adjustments as it deems appropriate to equitably reflect such event: (i) adjust the aggregate number of shares (or such other security as is designated by the Board) which may be acquired pursuant to the Plan, (ii) adjust the purchase price to be paid for any or all such shares subject to the then outstanding Options, (iii) adjust the number of shares of Common Stock (or such other security as is designated by the Board) subject to any or all of the then outstanding Options and (iv) make any other equitable adjustments or take such other equitable action as the Board, in its discretion, shall deem appropriate. For purposes hereof, the conversion of any convertible securities of the Company shall not be deemed to have been "effected without receipt of consideration."

(c) Any and all adjustments or actions taken by the Board pursuant to this Section 15 shall be conclusive and binding for all purposes.

16. *ISO Provisions.*

(a) *Employment Requirement; Termination of Employment, Death or Disability.* ISOs may only be awarded to employees of Titan or a corporation which, with respect to Titan, is a "parent corporation" or "subsidiary corporation" within the meaning of Code Sections 424(e) and (f). No ISO may be exercised unless, at the time of such exercise, the Optionee is, and has been continuously since the date of grant of his or her option, employed by the Company, except that:

i. an ISO may be exercised within the period of three months after the date the Optionee ceases to be an employee of the Company (or within such lesser period as may be specified in the applicable Option Agreement), *provided*, that the Option Agreement may designate a longer exercise period and that the exercise after such three-month period shall be treated as the exercise of a NSO under the Plan;

ii. if the Optionee dies while in the employ of the Company, or within three months after the Optionee ceases to be such an employee, the ISO may be exercised by the person to whom it is transferred by will or the laws of descent and distribution within the period of one year after the date of death (or within such lesser period as may be specified in the applicable Option Agreement); *provided*, that the Option Agreement may designate a longer exercise period and that the exercise after such one-year period shall be treated as the exercise of a NSO under the Plan; and

iii. if while in the employ of the Company the Optionee becomes disabled within the meaning of Section 22(e)(3) of the Code or any successor provisions thereto, the ISO may be exercised within the period of one year after the date the Optionee ceases to be such an

employee because of such disability (or within such lesser period as may be specified in the applicable Option Agreement) *provided*, that the Option Agreement may designate a longer exercise period and that the exercise after such one-year period shall be treated as the exercise of a NSO under the Plan.

For all purposes of the Plan and any Option granted hereunder, "employment" shall be defined in accordance with the provisions of Section 1.421-7(h) of the Income Tax Regulations (or any successor regulations). Notwithstanding the foregoing provisions, no ISO may be exercised after its expiration date.

(b) *10% Shareholders.* In the case of an individual who at the time the Option is granted owns stock possessing more than 10% of the total combined voting power of all classes of the stock of Titan or of a parent or subsidiary corporation of Titan (a "10% Shareholder"), (i) the Option exercise price of any ISO granted to such person shall in no event be less than 110% of the Fair Market Value of the Common Stock on the date the ISO is granted and (ii) the term of an ISO granted to such person may not exceed five years from the date of grant.

(c) *\$100,000 Limit.* The aggregate Fair Market Value (determined at the time an ISO is granted) of the Common Stock covered by ISOs exercisable for the first time by an employee during any calendar year (under all plans of the Company) may not exceed \$100,000.

(d) *Options Which Do Not Satisfy ISO Requirements.* To the extent that any Option which is issued under the Plan exceeds the limit set forth in paragraph (c) or otherwise does not comply with the requirements of Code Section 422, it shall be treated as a NSO.

17. *No Right to Continued Employment.* Neither the Plan nor any action taken hereunder shall be construed as giving any employee or any independent contractor any right to continue in the employ of or to be engaged as an independent contractor by the Company or affect the right of the Company to terminate such person's employment or other relationship with the Company at any time.

18. *Amendment; Early Termination.* Subject to Section 22, the Board may at any time and from time to time alter, amend, suspend or terminate the Plan in whole or in part; provided, however, that no amendment requiring stockholder approval by law or by the rules of any stock exchange, inter-dealer quotation system, or other market in which shares of Common Stock are traded, shall be effective unless and until such stockholder approval has been obtained in compliance with such rule or law; and provided, further, that no such amendment shall materially adversely affect the rights of an Optionee in any Option previously granted under the Plan without the Optionee's written consent.

19. *Effective Date.* The Plan shall be effective as of the date of its adoption by the Board (the "Effective Date"), subject to the approval thereof by the stockholders of Titan entitled to vote thereon within 12 months of such date. In the event that such stockholder approval is not obtained within such time period, the Plan and any Options granted under the Plan on or prior to the expiration of such 12 month period shall be void and of no further force and effect.

20. *Termination of Plan.* Unless terminated earlier by the Board in accordance with Section 18 above, the Plan shall terminate on, and no further Options may be granted after, the tenth anniversary of the Effective Date.

21. *Severability.* In the event that any one or more provisions of the Plan or an Option Agreement, or any action taken pursuant to the Plan or an Option Agreement, should, for any reason, be unenforceable or invalid in any respect under the laws of the United States, any state of the United States or any other jurisdiction, such unenforceability or invalidity shall not affect any other provision of the Plan or Option Agreement, but in such particular jurisdiction and instance the Plan and/or Option Agreement, as applicable, shall be construed as if such unenforceable or invalid provision had not been contained therein or if the action in question had not been taken thereunder.

22. *Cancellation and New Grant of Options, Etc.* The Committee shall have the authority to effect, at any time and from time to time, with the consent of the affected Optionees, (i) the cancellation of any or all outstanding options under the Plan and the grant in substitution therefor of new options

under the Plan covering the same or different numbers of shares of Common Stock and having an option exercise price per share which may be lower or higher than the exercise price per share of the cancelled options or (ii) the amendment of the terms of any and all outstanding options under the Plan to provide an option exercise price per share which is higher or lower than the then-current exercise price per share of such outstanding options; *provided, however*, that the Committee shall not take any of the actions described in (i) or (ii) hereof without receiving the approval of Titan's stockholders. The provisions of this Section 22 may not be altered or amended without stockholder approval.

23. *Definitions.*

(a) *Affiliate.* The term "Affiliate" means any entity, whether or not incorporated, that directly or through one or more intermediaries is controlled by Titan.

(b) *Cause.* The term "Cause" when used herein in conjunction with termination of employment (or other service relationship) means (i) if the Optionee is a party to an employment or similar agreement with the Company which defines "cause" (or a similar term), the meaning set forth in such agreement (other than death or disability), or (ii) otherwise, termination by the Company of the employment (or other service relationship) of the Optionee by reason of the Optionee's (1) intentional failure to perform reasonably assigned duties, (2) dishonesty or willful misconduct in the performance of his duties, (3) involvement in a transaction which is materially adverse to the Company, (4) breach of fiduciary duty involving personal profit, (5) willful violation of any law, rule, regulation or court order (other than misdemeanor traffic violations and misdemeanors not involving misuse or misappropriation of money or property), (6) commission of an act of fraud or intentional misappropriation or conversion of any asset or opportunity of the Company, or (7) material breach of any provision of the Company's Stock Option Plan, the Optionee's Option Agreement or any other written agreement between the Optionee and the Company, in each case as determined in good faith by the Board, whose determination shall be final, conclusive and binding on all parties.

(c) *Disability.* Except as otherwise specified in the applicable Option Agreement or in the Optionee's Employment Agreement with the Company, the Optionee shall be deemed to have a "Disability" if the Optionee is unable to engage in any substantial gainful activity by reason of any medically determined physical or mental impairment which can be expected to result in death or which has lasted or can be expected to last for a continuous period of not less than twelve (12) months, as reasonably determined by the Board in good faith and in its discretion.

(d) *Fair Market Value.* As used herein, the term "Fair Market Value" of a share of Common Stock of the Company as of a specified date for the purposes of the Plan shall mean the lower of (i) the average of the Closing Prices (as defined below) for the five (5) trading days immediately preceding the date of grant or (ii) the Closing Price on the date of grant. "Closing Price" for purposes of the Plan shall mean the closing price of a share of the Common Stock on the principal securities exchange (including the Nasdaq National Market) on which such shares are traded on the relevant date for which Fair Market Value is being determined, or on the next preceding date on which such shares are traded if no shares were traded on such date, or if the shares are not traded on a securities exchange, Fair Market Value shall be deemed to be the average of the high bid and low asked prices of the shares in the over-the-counter market on the relevant date for which Fair Market Value is being determined or on the next preceding date on which such high bid and low asked prices were recorded. If the shares are not publicly traded, Fair Market Value of a share of Common Stock (including, in the case of any repurchase of shares, any distributions with respect thereto which would be repurchased with the shares) shall be determined in good faith by the Board or the Committee. In no case shall Fair Market Value be determined with regard to restrictions other than restrictions which, by their terms, will never lapse.

(e) *Family Member of the Optionee.* As used herein, "Family Member of the Optionee" means the Optionee's child, stepchild, grandchild, parent, stepparent, grandparent, spouse, former spouse, sibling, niece, nephew, mother-in-law, father-in-law, son-in-law, daughter-in-law, brother-in-law, or sister-in-law, including adoptive relationships, any person sharing the Optionee's household (other

than a tenant or employee), a trust in which these persons have more than 50% of the beneficial interest, a foundation in which these persons (or the Optionee) control the management of assets, and any other entity in which these persons (or the Optionee) own more than 50% of the voting interests.

(f) *Predecessor Plans.* As used herein, "Predecessor Plans" means Titan's 1993 Stock Option Plan, 1995 Stock Option Plan and 1998 Stock Option Plan, each as may have been amended through and including the Effective Date.

(g) *Retirement*. As used herein, "Retirement" means the termination of employment of an Optionee over the age of 62 with at least 10 years of continuous service to the Company.

QuickLinks

[Exhibit 4.2](#)

[TITAN PHARMACEUTICALS, INC. 2002 STOCK OPTION PLAN](#)

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Exhibit 5.0

[Loeb & Loeb LLP Letterhead]

September 18, 2002

Titan Pharmaceuticals, Inc.
400 Oyster Point Blvd.
South San Francisco, CA 94080

Re: Registration Statement on Form S-8

Ladies and Gentlemen:

We have served as your counsel in connection with the preparation of your Registration Statement on Form S-8 to be filed with the Securities and Exchange Commission under the Securities Act of 1933, as amended, representing the offering and issuance to certain persons under the Titan Pharmaceuticals, Inc. 2001 Non-Qualified Stock Option Plan and the Titan Pharmaceuticals, Inc. 2002 Stock Option Plan of an aggregate of 3,750,000 shares of your Common Stock, \$.001 par value (the "Common Stock").

We have examined such corporate records, documents and matters of law as we have considered appropriate for the purposes of this opinion.

Based upon such examination and our participation in the preparation of the Registration Statement, it is our opinion that the Common Stock, when issued in the manner described in the Plan, will be validly issued, fully paid and non-assessable.

We consent to the reference made to our firm in the Registration Statement and to the filing of this opinion as an exhibit to the Registration Statement.

Very truly yours,

/s/ Loeb & Loeb LLP

LOEB & LOEB LLP

QuickLinks

[Exhibit 5.0](#)

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Exhibit 23.2

CONSENT OF ERNST & YOUNG LLP, INDEPENDENT AUDITORS

We consent to the incorporation by reference in the Registration Statement (Form S-8) pertaining to the Titan Pharmaceuticals, Inc. 2001 Non-Qualified Employee Stock Option Plan and Titan Pharmaceuticals, Inc. 2002 Stock Option Plan of our report dated February 21, 2002, with respect to the consolidated financial statements of Titan Pharmaceuticals, Inc. included in its Annual Report (Form 10-K) for the year ended December 31, 2001, filed with the Securities and Exchange Commission.

/s/ ERNST & YOUNG LLP

Palo Alto, California

September 17, 2002

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[Exhibit 23.2](#)

[CONSENT OF ERNST & YOUNG LLP, INDEPENDENT AUDITORS](#)