

CERTIFICATE OF DESIGNATION

of

SERIES A JUNIOR PARTICIPATING PREFERRED STOCK

of

VANDA PHARMACEUTICALS INC.

Pursuant to Section 151 of the General Corporation Law
of the State of Delaware

Vanda Pharmaceuticals Inc., a corporation organized and existing under the General Corporation Law of the State of Delaware (the “Corporation”), in accordance with the provisions of Section 103 thereof, DOES HEREBY CERTIFY:

That pursuant to the authority vested in the Board of Directors of the Corporation (the “Board of Directors”) in accordance with the provisions of the Certificate of Incorporation of the said Corporation, the said Board of Directors on September 25, 2008 adopted the following resolution creating a series of 30,000 shares of Preferred Stock designated as “Series A Junior Participating Preferred Stock”:

RESOLVED, that pursuant to the authority vested in the Board of Directors of this Corporation in accordance with the provisions of the Certificate of Incorporation, a series of Preferred Stock, par value \$.001 per share, of the Corporation be and hereby is created, and that the designation and number of shares thereof and the voting and other powers, preferences and relative, participating, optional or other rights of the shares of such series and the qualifications, limitations and restrictions thereof are as follows:

Series A Junior Participating Preferred Stock

1. *Designation and Amount.* There shall be a series of Preferred Stock that shall be designated as “Series A Junior Participating Preferred Stock,” and the number of shares constituting such series shall be 30,000. Such number of shares may be increased or decreased by resolution of the Board of Directors; provided, however, that no decrease shall reduce the number of shares of Series A Junior Participating Preferred Stock to less than the number of shares then issued and outstanding plus the number of shares issuable upon exercise of outstanding rights, options or warrants or upon conversion of outstanding securities issued by the Corporation.

2. *Dividends and Distribution.*

(A) Subject to the prior and superior rights of the holders of any shares of any class or series of stock of the Corporation ranking prior and superior to the shares of Series A Junior Participating Preferred Stock with respect to dividends, the holders of shares of Series A Junior Participating Preferred Stock outstanding at the close of business on the business day immediately preceding each Quarterly Dividend Payment Date (as defined below) (or on such other record date as the Board of Directors may specify), in preference to the holders of shares of any class or series of stock of the Corporation ranking junior to the Series A Junior Participating Preferred Stock in respect thereof, shall be entitled to receive, when, as and if declared (except as provided in paragraph (B) below) by the Board of Directors out of funds legally available for the purpose, quarterly dividends payable in cash on the 30th day of March, June, September and December, in each year (each such date being referred to herein as a “Quarterly Dividend Payment Date”), commencing on the first Quarterly Dividend Payment Date after the first issuance of a share or fraction of a share of Series A Junior Participating Preferred Stock (the “First Issuance Date”), in an amount per share (rounded to the nearest cent) equal to the greater of (a) \$10.00 or (b) the sum of (x) the Adjustment Number (as defined below) times the aggregate per share amount of all cash dividends, and (y) the Adjustment Number times the fair value (as determined by the Board of Directors) of the aggregate per share amount of all non-cash dividends or other distributions payable in kind as provided herein, other than a dividend payable in shares of Common Stock, par value \$.001 per share, of the Corporation (the “Common Stock”) or a subdivision of the outstanding shares of Common Stock (by reclassification or otherwise), in the case of clauses (x) and (y) declared on the Common Stock since the immediately preceding Quarterly Dividend Payment Date, or with respect to the first Quarterly Dividend Payment Date following the First Issuance Date, from (but not including) the Quarterly Dividend Payment Date immediately preceding the First Issuance Date; provided, that to the extent the holders of shares of Series A Junior Participating Preferred Stock are entitled to payment of such dividend pursuant to clause (b) of this sentence in whole or in part as a result of a non-cash dividend or distribution referred to in clause (b)(y) above, such holders will receive per share of Series A Junior Participating Preferred Stock, in lieu of the cash value of such non-cash dividend or distribution, an amount of the securities or other property equal to the Adjustment Number times the amount of such securities or other property distributed per share of Common Stock. The “Adjustment Number” shall initially be 1000. In the event the Corporation shall at any time after September 25, 2008 (i) declare and pay any dividend on Common Stock payable in shares of Common Stock, (ii) subdivide the outstanding Common Stock or (iii) combine the outstanding Common Stock into a smaller number of shares, then in each such case the Adjustment Number in effect immediately prior to such event shall be adjusted by multiplying such Adjustment Number by a fraction the numerator of which is the number of shares of Common Stock outstanding immediately after such event and the denominator of which is the number of shares of Common Stock that were outstanding immediately prior to such event.

(B) The Board of Directors shall declare a dividend or distribution on the Series A Junior Participating Preferred Stock as provided in paragraph (A) above immediately after it declares a dividend or distribution on the Common Stock (other than a dividend payable in shares of Common Stock); provided, that no such dividend will be required to be declared

until the aggregate amount of cash dividends and the fair value of all non-cash dividends and distributions on the Common Stock, in each case multiplied by the Adjustment Number, during the period following the last Quarterly Dividend Payment Date (or, if applicable, the Quarterly Dividend Payment Date preceding the First Issuance Date), exceeds the amount set forth in clause (a) of paragraph (A) above.

(C) Dividends shall begin to accrue and be cumulative on outstanding shares of Series A Junior Participating Preferred Stock from (but not including) the Quarterly Dividend Payment Date next preceding the First Issuance Date, unless such First Issuance Date is a Quarterly Dividend Payment Date or is after the record date for such Quarterly Dividend Payment Date and prior to such Quarterly Dividend Payment Date, in which event such dividends shall begin to accrue and be cumulative from (but not including) such Quarterly Dividend Payment Date. Accrued but unpaid dividends shall not bear interest. Dividends paid on the shares of Series A Junior Participating Preferred Stock in an amount less than the total amount of such dividends at the time accrued and payable on such shares shall be allocated pro rata on a share-by-share basis among all such shares at the time outstanding.

3. *Voting Rights.* The holders of shares of Series A Junior Participating Preferred Stock shall have the following voting rights:

(A) Each share of Series A Junior Participating Preferred Stock shall entitle the holder thereof to a number of votes equal to the Adjustment Number on all matters submitted to a vote of the stockholders of the Corporation.

(B) Except as required by law, by Section 3(C) and by Section 10 hereof, holders of Series A Junior Participating Preferred Stock shall have no special voting rights and their consent shall not be required (except to the extent they are entitled to vote with holders of Common Stock as set forth herein) for taking any corporate action.

(C) If, at the time of any annual meeting of stockholders for the election of directors, the equivalent of six quarterly dividends (whether or not consecutive) payable on any share or shares of Series A Junior Participating Preferred Stock are in default, the number of directors constituting the Board of Directors of the Corporation shall be increased by two. In addition to voting together with the holders of Common Stock for the election of other directors of the Corporation, the holders of record of the Series A Junior Participating Preferred Stock, voting separately as a class to the exclusion of the holders of Common Stock, shall be entitled at said meeting of stockholders (and at each subsequent annual meeting of stockholders), unless all dividends in arrears on the Series A Junior Participating Preferred Stock have been paid or declared and set apart for payment prior thereto, to vote for the election of two directors of the Corporation, the holders of any Series A Junior Participating Preferred Stock being entitled to cast a number of votes per share of Series A Junior Participating Preferred Stock as is specified in paragraph (A) of this Section 3. Until the default in payments of all dividends which permitted the election of said directors shall cease to exist, any director who shall have been so elected pursuant to the provisions of this Section 3(C) may be removed at any time, without cause, only by the affirmative vote of the holders of the shares of Series A Junior Participating Preferred Stock at the time entitled to cast a majority of the votes entitled to be cast for the

election of any such director at a special meeting of such holders called for that purpose, and any vacancy thereby created may be filled by the vote of such holders. If and when such default shall cease to exist, the holders of the Series A Junior Participating Preferred Stock shall be divested of the foregoing special voting rights, subject to reversion in the event of each and every subsequent like default in payments of dividends. Upon the termination of the foregoing special voting rights, the terms of office of all persons who may have been elected directors pursuant to said special voting rights shall forthwith terminate, and the number of directors constituting the Board of Directors shall be reduced by two. The voting rights granted by this Section 3(C) shall be in addition to any other voting rights granted to the holders of the Series A Junior Participating Preferred Stock in this Section 3.

4. *Certain Restrictions.*

(A) Whenever quarterly dividends or other dividends or distributions payable on the Series A Junior Participating Preferred Stock as provided in Section 2 are in arrears, thereafter and until all accrued and unpaid dividends and distributions, whether or not declared, on shares of Series A Junior Participating Preferred Stock outstanding shall have been paid in full, the Corporation shall not:

(i) declare or pay dividends on, make any other distributions on, or redeem or purchase or otherwise acquire for consideration any shares of stock ranking junior (either as to dividends or upon liquidation, dissolution or winding up) to the Series A Junior Participating Preferred Stock;

(ii) declare or pay dividends on or make any other distributions on any shares of stock ranking on a parity (either as to dividends or upon liquidation, dissolution or winding up) with the Series A Junior Participating Preferred Stock, except dividends paid ratably on the Series A Junior Participating Preferred Stock and all such parity stock on which dividends are payable or in arrears in proportion to the total amounts to which the holders of all such shares are then entitled; or

(iii) purchase or otherwise acquire for consideration any shares of Series A Junior Participating Preferred Stock, or any shares of stock ranking on a parity with the Series A Junior Participating Preferred Stock, except in accordance with a purchase offer made in writing or by publication (as determined by the Board of Directors) to all holders of Series A Junior Participating Preferred Stock, or to such holders and holders of any such shares ranking on a parity therewith, upon such terms as the Board of Directors, after consideration of the respective annual dividend rates and other relative rights and preferences of the respective series and classes, shall determine in good faith will result in fair and equitable treatment among the respective series or classes.

(B) The Corporation shall not permit any subsidiary of the Corporation to purchase or otherwise acquire for consideration any shares of stock of the Corporation unless the Corporation could, under paragraph (A) of this Section 4, purchase or otherwise acquire such shares at such time and in such manner.

5. *Reacquired Shares.* Any shares of Series A Junior Participating Preferred Stock purchased or otherwise acquired by the Corporation in any manner whatsoever shall be retired promptly after the acquisition thereof. All such shares shall upon their retirement become authorized but unissued shares of Preferred Stock and may be reissued as part of a new series of Preferred Stock to be created by resolution or resolutions of the Board of Directors, subject to any conditions and restrictions on issuance set forth herein.

6. *Liquidation, Dissolution or Winding Up.* (A) Upon any liquidation, dissolution or winding up of the Corporation, voluntary or otherwise, no distribution shall be made to the holders of shares of stock ranking junior (either as to dividends or upon liquidation, dissolution or winding up) to the Series A Junior Participating Preferred Stock unless, prior thereto, the holders of shares of Series A Junior Participating Preferred Stock shall have received an amount per share (the "Series A Liquidation Preference") equal to the greater of (i) \$1.00 plus an amount equal to accrued and unpaid dividends and distributions thereon, whether or not declared, to the date of such payment, or (ii) the Adjustment Number times the per share amount of all cash and other property to be distributed in respect of the Common Stock upon such liquidation, dissolution or winding up of the Corporation.

(B) In the event, however, that there are not sufficient assets available to permit payment in full of the Series A Liquidation Preference and the liquidation preferences of all other classes and series of stock of the Corporation, if any, that rank on a parity with the Series A Junior Participating Preferred Stock in respect thereof, then the assets available for such distribution shall be distributed ratably to the holders of the Series A Junior Participating Preferred Stock and the holders of such parity shares in proportion to their respective liquidation preferences.

(C) Neither the merger or consolidation of the Corporation into or with another entity nor the merger or consolidation of any other entity into or with the Corporation shall be deemed to be a liquidation, dissolution or winding up of the Corporation within the meaning of this Section 6.

7. *Consolidation, Merger, Etc.* In case the Corporation shall enter into any consolidation, merger, combination or other transaction in which the outstanding shares of Common Stock are exchanged for or changed into other stock or securities, cash and/or any other property, then in any such case each share of Series A Junior Participating Preferred Stock shall at the same time be similarly exchanged or changed in an amount per share equal to the Adjustment Number times the aggregate amount of stock, securities, cash and/or any other property (payable in kind), as the case may be, into which or for which each share of Common Stock is changed or exchanged.

8. *No Redemption.* Shares of Series A Junior Participating Preferred Stock shall not be subject to redemption by the Corporation.

9. *Ranking.* The Series A Junior Participating Preferred Stock shall rank junior to all other series of the Preferred Stock as to the payment of dividends and as to the distribution

of assets upon liquidation, dissolution or winding up, unless the terms of any such series shall provide otherwise, and shall rank senior to the Common Stock as to such matters.

10. *Amendment.* At any time that any shares of Series A Junior Participating Preferred Stock are outstanding, the Certificate of Incorporation of the Corporation shall not be amended, by merger, consolidation or otherwise, which would materially alter or change the powers, preferences or special rights of the Series A Junior Participating Preferred Stock so as to affect them adversely without the affirmative vote of the holders of two-thirds of the outstanding shares of Series A Junior Participating Preferred Stock, voting separately as a class.

11. *Fractional Shares.* Series A Junior Participating Preferred Stock may be issued in fractions of a share that shall entitle the holder, in proportion to such holder's fractional shares, to exercise voting rights, receive dividends, participate in distributions and to have the benefit of all other rights of holders of Series A Junior Participating Preferred Stock.

IN WITNESS WHEREOF, the undersigned has executed this Certificate this 25th day of September, 2008.

VANDA PHARMACEUTICALS INC.

By: /s/ Mihael Polymeropoulos, M.D.
Name: Mihael Polymeropoulos, M.D.
Title: Chief Executive Officer and President