

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

| OMB APPROVAL | |
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|--|--|--|---|
| 1. Name and Address of Reporting Person* <u>Riley Wayne Joseph</u> <hr/> (Last) (First) (Middle) C/O VERTEX PHARMACEUTICALS INCORPORATED 130 WAVERLY STREET <hr/> (Street) CAMBRIDGE MA 02139 <hr/> (City) (State) (Zip) | 2. Date of Event Requiring Statement (Month/Day/Year) 07/09/2010 | 3. Issuer Name and Ticker or Trading Symbol <u>VERTEX PHARMACEUTICALS INC / MA [VRTX]</u> | |
| | | 4. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director 10% Owner Officer (give title below) Other (specify below) | 5. If Amendment, Date of Original Filed (Month/Day/Year) 6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person Form filed by More than One Reporting Person |

Table I - Non-Derivative Securities Beneficially Owned

| 1. Title of Security (Instr. 4) | 2. Amount of Securities Beneficially Owned (Instr. 4) | 3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5) | 4. Nature of Indirect Beneficial Ownership (Instr. 5) |
|---------------------------------|---|--|---|
| Common Stock | 0 ⁽¹⁾ | D | |

Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

| 1. Title of Derivative Security (Instr. 4) | 2. Date Exercisable and Expiration Date (Month/Day/Year) | | 3. Title and Amount of Securities Underlying Derivative Security (Instr. 4) | | 4. Conversion or Exercise Price of Derivative Security | 5. Ownership Form: Direct (D) or Indirect (I) (Instr. 5) | 6. Nature of Indirect Beneficial Ownership (Instr. 5) |
|--|--|-----------------|---|----------------------------|--|--|---|
| | Date Exercisable | Expiration Date | Title | Amount or Number of Shares | | | |

Explanation of Responses:

1. No securities beneficially owned.

Remarks:

Kenneth S. Roger, Attorney-In-Fact

07/13/2010

** Signature of Reporting Person

Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

* If the form is filed by more than one reporting person, see Instruction 5 (b)(v).

** Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.

POWER OF ATTORNEY

The undersigned hereby constitutes and appoints each of Kenneth S. Boger, Valerie L. Andrews and Omar White of Vertex Pharmaceuticals Incorporated (the "Company"),

1. execute for and on behalf of the undersigned, in the undersigned's capacity as an officer, director and/or 10% shareholder of the Company, forms and authentications
2. do and perform any and all acts for and on behalf of the undersigned which may be necessary or desirable to complete and execute any such forms and authentications
3. execute for and on behalf of the undersigned, in the undersigned's capacity as an officer, director and/or 10% shareholder of the Company, Forms 3, 4 and 5 in accordance with the instructions thereon
4. do and perform any and all acts for and on behalf of the undersigned which may be necessary or desirable to complete and execute any such Form 3, 4 or 5 and time
5. take any other action of any type whatsoever in connection with the foregoing which, in the opinion of such attorney-in-fact, may be of benefit to, in the best interest of the Company

The undersigned hereby grants to each such attorney-in-fact full power and authority to do and perform any and every act and thing whatsoever requisite, necessary, proper and convenient for the purposes herein stated.

This Power of Attorney shall remain in full force and effect until the undersigned is no longer required to file Forms 3, 4 and 5 with respect to the undersigned's securities.

This Power of Attorney is intended to constitute a "confirming statement" for presentation to the Securities and Exchange Commission as contemplated by Instruction 1 of Form S-1.

IN WITNESS WHEREOF, the undersigned has caused this Power of Attorney to be executed this 9th day of July, 2010.

/s/ Wayne J. Riley

Signature

Wayne J. Riley

Print Name

74252.1