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FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

|) | Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. <i>See</i> Instruction 1(b). |
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|---|---|

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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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| l | Estimated average burden | |

| 1. Name and Addre BOGER JOS | ss of Reporting Perso HUA_S | n* | 2. Issuer Name and Ticker or Trading Symbol VERTEX PHARMACEUTICALS INC / | | tionship of Reporting Perso all applicable) Director | on(s) to Issuer |
|--------------------------------|--------------------------------|----------|--|-------------------|--|-----------------------|
| (Last) | (First) | (Middle) | <u>MA</u> [VRTX] | | Officer (give title below) | Other (specify below) |
| C/O VERTEX F INCORPORATI | PHARMACEUTIC ED | ALS | 3. Date of Earliest Transaction (Month/Day/Year) 08/24/2016 | | | |
| 50 NORTHERN | I AVENUE | | 4. If Amendment, Date of Original Filed (Month/Day/Year) | 6. Indiv Line) | idual or Joint/Group Filing (| (Check Applicable |
| (Street) | | | | X | Form filed by One Report | ting Person |
| BOSTON | MA | 02210 | | | Form filed by More than (Person | One Reporting |
| (City) | (State) | (Zip) | | | | |

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

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|---------------------------------|--|---|------------------------------|------|--------|---------------|---|---|---|-------------------------------------|
| 1. Title of Security (Instr. 3) | 2. Transaction Date (Month/Day/Year) | 2A. Deemed Execution Date, if any (Month/Day/Year) | 3. Transa Code (8) | | | | 5. Amount of Securities Beneficially Owned Following Reported | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Indirect Beneficial Ownership (Instr. 4) | |
| | | | Code | v | Amount | (A) or (D) | Price | Transaction(s) (Instr. 3 and 4) | | (1150.4) |
| Common Stock | 08/24/2016 | | М | | 6,500 | A | \$36.3 | 274,725 | D | |
| Common Stock | 08/24/2016 | | S ⁽¹⁾ | | 1,100 | D | \$96.73 ⁽²⁾⁽³⁾ | 273,625 | D | |
| Common Stock | 08/24/2016 | | S ⁽¹⁾ | | 1,000 | D | \$98.74 ⁽²⁾⁽⁴⁾ | 272,625 | D | |
| Common Stock | 08/24/2016 | | S ⁽¹⁾ | | 100 | D | \$99.5 | 272,525 | D | |
| Common Stock | 08/24/2016 | | S ⁽¹⁾ | | 1,500 | D | \$101.21(2)(5) | 271,025 | D | |
| Common Stock | 08/24/2016 | | S ⁽¹⁾ | | 2,800 | D | \$101.83(2)(6) | 268,225 | D | |
| Common Stock | | | | | | | | 13,286 | I | 401k |
| Common Stock | 08/24/2016 | | S ⁽¹⁾ | | 100 | D | \$100.02 | 79,100 | I | Common Stock Held In Trust |
| Common Stock | 08/24/2016 | | S ⁽¹⁾ | | 900 | D | \$101.6 ⁽²⁾⁽⁷⁾ | 78,200 | I | Common Stock Held In Trust |

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities) 1. Title of 3. Transaction 3A. Deemed 5. Number 6. Date Exercisable and 7. Title and 8. Price of 9. Number of 11. Nature 2 4. 10. Date Derivative Conversion Execution Date Transaction of Expiration Date (Month/Day/Year) Amount of Derivative Security derivative Ownership of Indirect Beneficial (Month/Day/Year) Derivative Security or Exercise if any Code (Instr. Securities Securities Form: (Instr. 3) 8) Underlying Derivative Security Price of (Month/Day/Year) Securities (Instr. 5) Beneficially Direct (D) Ownership Derivative (Instr. 4) Acquired Owned or Indirect (A) or Disposed Security (Instr. 3 and 4) Following (I) (Instr. 4) Reported Transaction(s) of (D) (Instr. 3, 4 (Instr. 4) and 5) Amount or Number Expiration Date of v (D) Title Shares Code (A) Exercisable Date Stock Option Commor 08/24/2016 (8) 6,500 131,500 \$36.3 М 6.500 01/23/2017 \$0.00 D (Right to Stock Buy)

Explanation of Responses:

1. Transaction made pursuant to the holder's company approved trading plan under Rule 10b5-1.

2. The holder undertakes to provide (upon request by the SEC staff, the issuer or a security holder of the issuer) full information regarding the number of shares sold at each separate price.

3. Open market sales reported on this line occurred at a weighted average price of \$96.73 (range \$96.40 to \$97.37).

4. Open market sales reported on this line occurred at a weighted average price of \$98.74 (range \$98.37 to \$99.19).

5. Open market sales reported on this line occurred at a weighted average price of \$101.21 (range \$100.63 to \$101.60).

6. Open market sales reported on this line occurred at a weighted average price of \$101.83 (range \$101.63 to \$102.45).

7. Open market sales reported on this line occurred at a weighted average price of \$101.60 (range \$101.25 to \$102.00).

8. Fully vested.

Remarks:

Omar White, Attorney-In-Fact 08/26/2016

** 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 4 (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.