FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

| OMB APPROVAL | | | | | | | | | |
|-------------------|-----------|--|--|--|--|--|--|--|--|
| OMB Number: | 3235-0287 | | | | | | | | |
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hours per response:

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

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

| 1. Name and Address of Reporting Person* MUELLER PETER | | | | | 2. Issuer Name and Ticker or Trading Symbol VERTEX PHARMACEUTICALS INC / MA [VRTX] | | | | | | | | | 5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner Officer (give title Other (specify | | | | |
|---|--|--|---|---|--|--|--|--|---|---|--|--|--|--|--|--|---|--|
| (Last) (First) (Middle) | | | | | | | | | | | | | | belov | w) `` | below |) | |
| C/O VERTEX PHARMACEUTICALS INCORPORATED | | | | | 3. Date of Earliest Transaction (Month/Day/Year) 11/20/2006 | | | | | | | | CSO& | EVP Drug | Innov&Reali | zation | | |
| 130 WAVERLY STREET | | | | 4. If | 4. If Amendment, Date of Original Filed (Month/Day/Year) | | | | | | | | 6. Individual or Joint/Group Filing (Check Applicable | | | | | |
| | | | | | | | | | | | | | | -, | n filed by One | e Reporting Per | son | |
| IDGE N | IA (| 02139 | | | | | | | | | | | | | | re than One Rep | oorting | |
| (5 | State) (| (Zip) | | | | | | | | | | | | | | | | |
| | Tab | le I - Nor | n-Deriv | ative | Sec | uritie | s Ac | quired, | Dis | osed o | f, or | Bene | ficia | lly Own | ed | | | |
| Date | | | | Execution Da | | n Date, | Transaction Disp Code (Instr. 5) | | Disposed | | | | d Securi Benefi Owned | ities icially d Following | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Indirect Beneficial Ownership | | |
| | | | | | | | | Code | v | Amount | | | Price | Transa | action(s) | | (Instr. 4) | |
| Common Stock 12/1 | | | | 9/2006 | /2006 | | S ⁽¹⁾ | | 165 | | D | \$3 | 3 5 | 2,747 | D | | | |
| Common Stock | | | | | | | | | | | | | | | 3,595 | I | 401(k) | |
| | Ta | | | | | | | | | | | | | Owned | | | | |
| Derivative Conversion Date Execution Security or Exercise (Month/Day/Year) if any | | | Date, | | Transaction Code (Instr.)) | | of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) | | Expiration Date (Month/Day/Year) Date Expiration | | Amour or Numbe | | tr. 3 | Derivative Security | derivative Securities Beneficially Owned Following Reported | Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 11. Nature of Indirect Beneficial Ownership (Instr. 4) | |
| | (FRIEX PHAPORATED VERLY STRIDGE M (SSecurity (Insulative Stock Sto | (First) (CATEX PHARMACEUTICA PORATED VERLY STREET RIDGE MA (State) (CATE PHARMACEUTICA PORATED VERLY STREET RIDGE MA (State) (CATE PHARMACEUTICA PORATED POR | (First) (Middle) RTEX PHARMACEUTICALS PORATED VERLY STREET RIDGE MA 02139 (State) (Zip) Table I - Nor Security (Instr. 3) Stock Table II - I (Month/Day/Year) Table II - I (Month/Day/Year) (Month/Day/Year) | (First) (Middle) RTEX PHARMACEUTICALS PORATED VERLY STREET RIDGE MA 02139 (State) (Zip) Table I - Non-Deriv Security (Instr. 3) 2. Trans Date (Month/) Stock Table II - Derivat (e.g., p) 2. Table II - Derivat (e.g., p) Conversion or Exercise Price of Derivative (Month/Day/Year) Derivative (Month/Day/Year) | (First) (Middle) RTEX PHARMACEUTICALS PORATED VERLY STREET (State) (Zip) Table I - Non-Derivative Security (Instr. 3) 2. Transaction Date (Month/Day/Year) Stock Table II - Derivative S (e.g., puts, of Derivative of Derivative (Month/Day/Year) 2. (Conversion or Exercise Price of Derivative (Month/Day/Year) 2. (Month/Day/Year) 3. Transaction Date (Execution Date, if any (Month/Day/Year) (Month/Day/Year) 3. Transaction Date (Month/Day/Year) 3. Transaction Date (Month/Day/Year) 4. Transaction Date (Month/Day/Year) | Conversion or Exercise Price of Derivative Security Security | VERTEX P MA VRTX | Conversion of Exercise Price of Derivative Securities Acquired for Exercise Price of Derivative Security | Conversion or Exercise Price of Derivative Security Stock Stock | Conversion or Exercise Price of Derivative Security Stock Stock | Conversion Con | VERTEX PHARMACEUTICALS INC MA [VRTX] 3. Date of Earliest Transaction (Month/Day/Year) 11/20/2006 4. If Amendment, Date of Original Filed (Month/Day/Year) 24. Deemed Execution Date, (Month/Day/Year) 25. Stock Table II - Non-Derivative Securities Acquired, Disposed of, or Security (Instr. 3) Table II - Derivative Securities Acquired, Disposed of (D) (Day (Month/Day/Year)) 26. Date (e.g., puts, calls, warrants, options, convertible security (Month/Day/Year) 27. Title Security (Month/Day/Year) 28. Number of Code (Instr. 3) 28. Deemed Execution Date, (Month/Day/Year) 29. Stock Table II - Derivative Securities Acquired, Disposed of, or Be (e.g., puts, calls, warrants, options, convertible security (A) or Derivative Securities Acquired, Disposed of (D) (Instr. 3, 4 and 5) 4. Securities Acquired (A) or Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) 4. Securities Expiration Date (Instr. 3, 4 and 5) | Conversion of Exercise C.g., puts, calls, warrants, options, convertible security (Instr. 3) Stock 12/19/2006 Stock 12/19/2 | Comparison Com | VERTEX PHARMACEUTICALS INC / MA [VRTX] Security (Instr. 3) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned Execution Date (Month/Day/Year) (State) Table I - Non-Derivative Securities Acquired, Disposed of (D) (Instr. 3, 4 and 5) Security (Instr. 3) Table II - Derivative Securities Acquired, Disposed of (D) (Instr. 3, 4 and 5) Stock Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (A) or (D) (Instr. 3, 4 and 5) Stock Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities) 2. Transaction (Month/Day/Year) (Month/Day/Year) Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities) 2. Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (Boyley) (Month/Day/Year) Stock Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities) 2. Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (Boyley) (Month/Day/Year) Stock Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (Boyley) (Month/Day/Year) Stock Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (Boyley) (Month/Day/Year) Stock Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (Boyley) (Month/Day/Year) Stock Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (Boyley) (Month/Day/Year) Stock Table II - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned (Boyley) (Month/Day/Year) Stock Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (Boyley) (Month/Day/Year) Stock Table II - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned (Boyley) (Month/Day/Year) Stock Table II - Non-Derivative Securities Acquire | VERTEX PHARMACEUTICALS (Check all applicable) Director X Officer (give title below) RTEX PHARMACEUTICALS OFFICER (Transaction (Month/Day/Year) (Check all applicable) Director X Officer (give title below) SORATED (State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned Security (Instr. 3) 2. Transaction Date (Month/Day/Year) (Month/Day/Y | Care Care | |

Explanation of Responses:

1. Transaction made pursuant to Dr. Mueller's company approved trading plan established under Rule 10b5-1.

Remarks:

Valerie L. Andrews, Attorney-

12/20/2006

In-Fact

** Signature of Reporting Person

Date

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

- * 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.