| SEC Form 4   |                 |  |  |  |  |  |
|--|-----------------|--|--|--|--|--|
| FORM 4   | UNITED STAT     | TES SECURITIES AND EXCHANGE CON<br>Washington, D.C. 20549  | MISSION  |  |  |  |
| Check this box if no longer subject to<br>Section 16. Form 4 or Form 5<br>obligations may continue. See<br>Instruction 1(b). |                 | NT OF CHANGES IN BENEFICIAL OWNE<br>I pursuant to Section 16(a) of the Securities Exchange Act of 1934<br>or Section 30(h) of the Investment Company Act of 1940                       | ERSHIP   | OMB Number: 3235-0287<br>Estimated average burden<br>hours per response: 0.5 |  |  |
| 1. Name and Address of Reporting Person<br>Kewalramani Reshma  | ı <b>.</b>      | 2. Issuer Name and Ticker or Trading Symbol<br><u>VERTEX PHARMACEUTICALS INC /</u><br><u>MA</u> [ VRTX ]   | (Check all applicab<br>X Director<br>X Officer (gi | 10% Owner<br>give title Other (specify                                       |  |  |
| (Last) (First)<br>C/O VERTEX PHARMACEUTIC  | (Middle)<br>ALS | 3. Date of Earliest Transaction (Month/Day/Year)<br>12/15/2023   | below)   | below)<br>CEO & President  |  |  |
| INCORPORATED<br>50 NORTHERN AVENUE   |                 | 4. If Amendment, Date of Original Filed (Month/Day/Year)   | Line)  | nt/Group Filing (Check Applicable  |  |  |
| (Street)<br>BOSTON MA  | 02210           |  | Form filed<br>Person                               | by More than One Reporting   |  |  |
| (City) (State)   | (Zip)           | Rule 10b5-1(c) Transaction Indication   X   Check this box to indicate that a transaction was made pursuant to satisfy the affirmative defense conditions of Rule 10b5-1(c). See Inst. | a contract, instruction o<br>struction 10.         | or written plan that is intended to  |  |  |

| Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned |  |   |                            |   |        |               |          |   |   |   |  |
|--|--|---|----------------------------|---|--------|---------------|----------|---|---|---|--|
| 1. Title of Security (Instr. 3)  | 2. Transaction<br>Date<br>(Month/Day/Year) | 2A. Deemed<br>Execution Date,<br>if any<br>(Month/Day/Year) | 3.<br>Transa<br>Code<br>8) |   |        |               |          | 5. Amount of<br>Securities<br>Beneficially<br>Owned Following<br>Reported | 6. Ownership<br>Form: Direct<br>(D) or Indirect<br>(I) (Instr. 4) | 7. Nature<br>of Indirect<br>Beneficial<br>Ownership<br>(Instr. 4) |  |
|  |  |   | Code                       | v | Amount | (A) or<br>(D) | Price    | Transaction(s)<br>(Instr. 3 and 4)  |   | (1150.4)  |  |
| Common Stock   | 12/15/2023                                 |   | М                          |   | 3,058  | A             | \$155.57 | 111,769   | D   |   |  |
| Common Stock   | 12/15/2023                                 |   | М                          |   | 14,077 | Α             | \$187.53 | 125,846   | D   |   |  |
| Common Stock   | 12/15/2023                                 |   | <b>S</b> <sup>(1)</sup>    |   | 17,135 | D             | \$407    | 108,711   | D   |   |  |

| Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned<br>(e.g., puts, calls, warrants, options, convertible securities) |   |  |   |   |   |  |        |  |                    |   |  |   |  |  |  |
|---|---|--|---|---|---|--|--------|--|--------------------|---|--|---|--|--|--|
| 1. Title of<br>Derivative<br>Security<br>(Instr. 3)   | 2.<br>Conversion<br>or Exercise<br>Price of<br>Derivative<br>Security | 3. Transaction<br>Date<br>(Month/Day/Year) | 3A. Deemed<br>Execution Date,<br>if any<br>(Month/Day/Year) | 4.<br>Transaction<br>Code (Instr.<br>8) |   | 5. Number<br>of<br>Derivative<br>Securities<br>Acquired<br>(A) or<br>Disposed<br>of (D) (Instr.<br>3, 4 and 5) |        | 6. Date Exercisable and<br>Expiration Date<br>(Month/Day/Year) |                    | 7. Title and Amount<br>of Securities<br>Underlying<br>Derivative Security<br>(Instr. 3 and 4) |  | 8. Price of<br>Derivative<br>Security<br>(Instr. 5) | 9. Number of<br>derivative<br>Securities<br>Beneficially<br>Owned<br>Following<br>Reported<br>Transaction(s)<br>(Instr. 4) | 10.<br>Ownership<br>Form:<br>Direct (D)<br>or Indirect<br>(I) (Instr. 4) | 11. Nature<br>of Indirect<br>Beneficial<br>Ownership<br>(Instr. 4) |
|   |   |  |   | Code                                    | v | (A)  | (D)    | Date<br>Exercisable  | Expiration<br>Date | Title   | Amount<br>or<br>Number<br>of<br>Shares |   |  |  |  |
| Stock<br>Option<br>(Right to<br>Buy)  | \$155.57  | 12/15/2023                                 |   | М                                       |   |  | 3,058  | (2)  | 02/05/2028         | Common<br>Stock   | 3,058                                  | \$0   | 0  | D  |  |
| Stock<br>Option<br>(Right to<br>Buy)  | \$187.53  | 12/15/2023                                 |   | М                                       |   |  | 14,077 | (2)  | 02/05/2029         | Common<br>Stock   | 14,077                                 | \$0   | 1,565  | D  |  |

Explanation of Responses:

1. Transaction made pursuant to Dr. Kewalramani's company approved trading plan under Rule 10b5-1, which was entered into on 08/11/2023.

2. Fully vested.

Remarks:

/s/ Christiana Stevenson, Attorney-in-Fact

\*\* Signature of Reporting Person

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.

12/19/2023

Date