FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549 STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL 3235-0287 OMB Number: Estimated average burden

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Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934

| | | | or Section 30(ff) of the investment Company Act of 1940 | | | | | |
|-----------------------------|------------------------|----------------|--|---|-------------------------------------|-----------------------|--|--|
| | ss of Reporting Persor | n [*] | 2. Issuer Name and Ticker or Trading Symbol VERTEX PHARMACEUTICALS INC / | | tionship of Reporting Perso | n(s) to Issuer | | |
| Lee Yuchun | | | MA [VRTX] | X | Director | 10% Owner | | |
| (Last) | (First) | (Middle) | - CARL | | Officer (give title below) | Other (specify below) | | |
| C/O VERTEX P INCORPORATE | HARMACEUTIC ED | ALS | 3. Date of Earliest Transaction (Month/Day/Year) 04/06/2022 | | | | | |
| 50 NORTHERN AVENUE | | | 4. If Amendment, Date of Original Filed (Month/Day/Year) | 6. Individual or Joint/Group Filing (Check Applicable Line) | | | | |
| (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 | | | | | | | | | | | | |
|--|--|---|------------------------------|---|--|---------------|----------------------------|---|---|---|--|--|
| 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) | | 4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5) | | | 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) | | (IIISti. 4) | | |
| Common Stock | 04/06/2022 | | M | | 2,000 | A | \$81.54 | 3,875 | D | | | |
| Common Stock | 04/06/2022 | | S ⁽¹⁾ | | 17 | D | \$267.57 | 3,858 | D | | | |
| Common Stock | 04/06/2022 | | S ⁽¹⁾ | | 300 | D | \$270.67(2)(3) | 3,558 | D | | | |
| Common Stock | 04/06/2022 | | S ⁽¹⁾ | | 1,600 | D | \$271.78(2)(4) | 1,958 | D | | | |
| Common Stock | 04/06/2022 | | S ⁽¹⁾ | | 83 | D | \$272.84(2)(5) | 1,875 | D | | | |
| Common Stock | 04/07/2022 | | М | | 2,000 | Α | \$81.54 | 3,875 | D | | | |
| Common Stock | 04/07/2022 | | S ⁽¹⁾ | | 417 | D | \$272.76(2)(7) | 3,458 | D | | | |
| Common Stock | 04/07/2022 | | S ⁽¹⁾ | | 500 | D | \$273.78(2)(8) | 2,958 | D | | | |
| Common Stock | 04/07/2022 | | S ⁽¹⁾ | | 256 | D | \$275.26 ⁽²⁾⁽⁹⁾ | 2,702 | D | | | |
| Common Stock | 04/07/2022 | | S ⁽¹⁾ | | 727 | D | \$276.37(2)(10) | 1,975 | D | | | |
| Common Stock | 04/07/2022 | | S ⁽¹⁾ | | 100 | D | \$277.02 | 1,875 | D | | | |

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

| 1. Title of Derivative Security (Instr. 3) | 2. Conversion or Exercise Price of Derivative Security | 3. Transaction Date (Month/Day/Year) | 3A. Deemed Execution Date, if any (Month/Day/Year) | 4. Transa Code (8) | | of | | 6. Date Exercisable and Expiration Date (Month/Day/Year) | | 7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4) | | 8. Price of Derivative Security (Instr. 5) | 9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4) | 10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 11. Nature of Indirect Beneficial Ownership (Instr. 4) |
|---|---|--|---|------------------------------|---|-----|-------|--|--------------------|--|--|---|--|--|--|
| | | | | Code | v | (A) | (D) | Date Exercisable | Expiration Date | Title | Amount or Number of Shares | | | | |
| Stock Option (Right to Buy) | \$81.54 | 04/06/2022 | | M | | | 2,000 | (6) | 05/31/2023 | Common Stock | 2,000 | \$0.00 | 14,000 | D | |
| Stock Option (Right to Buy) | \$81.54 | 04/07/2022 | | M | | | 2,000 | (6) | 05/31/2023 | Common Stock | 2,000 | \$0.00 | 12,000 | D | |

Explanation of Responses:

- 1. Transaction made pursuant to Mr. Lee's company approved trading plan under Rule 10b5-1.
- 2. Mr. Lee 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 \$270.67 (range \$270.42 to \$270.88).
- $4. Open \ market \ sales \ reported \ on \ this \ line \ occurred \ at \ a \ weighted \ average \ price \ of \ \$271.78 \ (range \ \$271.43 \ to \ \$272.33).$
- 5. Open market sales reported on this line occurred at a weighted average price of \$272.84 (range \$272.56 to \$272.97).
- 6. Fully vested.
- 7. Open market sales reported on this line occurred at a weighted average price of \$272.76 (range \$272.50 to \$273.28).
- 8. Open market sales reported on this line occurred at a weighted average price of \$273.78 (range \$273.52 to \$273.98).
- 9. Open market sales reported on this line occurred at a weighted average price of \$275.26 (range \$274.64 to \$275.43).
- 10. Open market sales reported on this line occurred at a weighted average price of \$276.37 (range \$275.94 to \$276.82).

Remarks:

/s/ Sabrina Yohai, Attorney-in- 04/08/2022 Fact

** 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.

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