

**UNITED STATES**  
**SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

**FORM S-8**

**REGISTRATION STATEMENT**

**UNDER**

**THE SECURITIES ACT OF 1933**

**VERTEX PHARMACEUTICALS INCORPORATED**

(Exact name of registrant as specified in its charter)

**Massachusetts**

(State or other jurisdiction of incorporation or organization)

**04-3039129**

(I.R.S. Employer Identification Number)

**50 Northern Avenue**

**Boston, Massachusetts 02210**

(Address of Principal Executive Offices)

**EMPLOYEE STOCK  
PURCHASE PLAN**

(Full Title of Plan)

**Jeffrey M. Leiden  
Chief Executive Officer**

**Vertex Pharmaceuticals Incorporated  
50 Northern Avenue**

**Boston, Massachusetts 02210**

**(617) 341-6100**

(Name, address, and telephone number, including area code, of agent for service)

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, a smaller reporting company or an emerging growth company. See the definitions of "large accelerated filer," "accelerated filer," "smaller reporting company" and "emerging growth company" in Rule 12b-2 of the Exchange Act.

Large accelerated filer  X

Accelerated filer  O

Non-accelerated filer  O

Smaller reporting company  O

Emerging growth company  O

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 7(a)(2)(B) of the Securities Act.

#### CALCULATION OF REGISTRATION FEE

Title of Each Class of Securities to be Registered	Amount to be Registered(1)	Proposed Maximum Offering Price Per Share(2)	Proposed Maximum Aggregate Offering Price(2)	Amount of Registration Fee
Common Stock, \$0.01 par value	2,000,000	\$166.39	\$332,780,000	\$40,332.94

- (1) Consists of 2,000,000 additional shares of common stock, par value \$0.01 per share, that may be issued under the Vertex Pharmaceuticals Incorporated Employee Stock Purchase Plan (the "ESPP") pursuant to an amendment and restatement to the ESPP that became effective June 5, 2019. Pursuant to Rule 416 under the Securities Act of 1933, as amended, this Registration Statement covers, in addition to the number of shares stated above, an indeterminate number of shares that may be subject to grant or otherwise issuable after the operation of any anti-dilution provisions, stock splits, or other similar transactions.
- (2) Estimated solely for purposes of determining the registration fee pursuant to Rule 457(c) and (h) under the Securities Act of 1933, as amended, based on the average of the high and low sale prices of the Registrant's common stock as reported by The NASDAQ Global Select Market on July 29, 2019.

## Statement of Incorporation by Reference

This Registration Statement on Form S-8 is being filed to register the offer and sale of an additional 2,000,000 shares of Common Stock, \$0.01 par value per share (the “Common Stock”) of Vertex Pharmaceuticals Incorporated (the “Registrant”) to be issued under the Employee Stock Purchase Plan (the “ESPP”) of the Registrant. In accordance with General Instruction E to Form S-8, this Registration Statement incorporates by reference the contents of the Registration Statement on [Form S-8](#) filed by the Registrant on November 6, 2012 (File No. 333-184784), relating to the Registrant’s ESPP, except for Item 8, Exhibits, which has been updated and included herein.

### PART II

#### INFORMATION REQUIRED IN THE REGISTRATION STATEMENT

##### Item 8. Exhibits.

Exhibit Number	Exhibit Description	Filed with this Registration Statement	Incorporated by Reference herein from—Form or Schedule	Filing Date	SEC File/Reg. Number
4.1	<a href="#">Restated Articles of Organization of Vertex Pharmaceuticals Incorporated, as amended.</a>		10-Q (Exhibit 3.1)	July 26, 2018	000-19319
4.2	<a href="#">Amended and Restated By-laws of Vertex Pharmaceuticals Incorporated.</a>		10-Q (Exhibit 3.2)	July 26, 2018	000-19319
4.3	<a href="#">Specimen stock certificate.</a>		10-K (Exhibit 4.1)	February 15, 2018	000-19319
5.1	<a href="#">Opinion of counsel as to the legality of the shares being registered.</a>	X			
23.1	<a href="#">Consent of Ernst &amp; Young LLP.</a>	X			
23.2	<a href="#">Consent of counsel (included as part of Exhibit 5.1).</a>	X			
24.1	<a href="#">Power of Attorney to file future amendments (set forth on signature page of this Registration Statement).</a>	X			
99.1	<a href="#">Vertex Pharmaceuticals Incorporated Employee Stock Purchase Plan.</a>		DEF-14A (Appendix B)	April 26, 2019	000-19319



	<b>Signature</b>	<b>Title</b>	<b>Date</b>
By:	<u>/s/ Jeffrey M. Leiden</u> Jeffrey M. Leiden	Chairman, Chief Executive Officer and President (Principal Executive Officer)	August 1, 2019
By:	<u>/s/ Charles F. Wagner, Jr.</u> Charles F. Wagner, Jr.	Executive Vice President and Chief Financial Officer (Principal Financial Officer)	August 1, 2019
By:	<u>/s/ Paul M. Silva</u> Paul M. Silva	Senior Vice President and Corporate Controller (Principal Accounting Officer)	August 1, 2019
By:	<u>/s/ Sangeeta N. Bhatia</u> Sangeeta N. Bhatia	Director	August 1, 2019
By:	<u>/s/ Lloyd Carney</u> Lloyd Carney	Director	August 1, 2019
By:	<u>/s/ Alan Garber</u> Alan Garber	Director	August 1, 2019
By:	<u>/s/ Terrence C. Kearney</u> Terrence C. Kearney	Director	August 1, 2019
By:	<u>/s/ Yuchun Lee</u> Yuchun Lee	Director	August 1, 2019
By:	<u>/s/ Margaret G. McGlynn</u> Margaret G. McGlynn	Director	August 1, 2019
By:	<u>/s/ Bruce I. Sachs</u> Bruce I. Sachs	Director	August 1, 2019
By:	<u>/s/ William D. Young</u> William D. Young	Director	August 1, 2019

August 1, 2019

Vertex Pharmaceuticals Incorporated  
50 Northern Avenue  
Boston, Massachusetts 02210

Re: Vertex Pharmaceuticals Incorporated Employee Stock Purchase Plan

Ladies and Gentlemen:

I have assisted in the preparation of the Registration Statement on Form S-8 (the "Registration Statement") to be filed with the Securities and Exchange Commission (the "Commission") under the Securities Act of 1933, as amended (the "Securities Act"), relating to an aggregate of 2,000,000 shares of common stock, \$0.01 par value per share (the "Shares"), of Vertex Pharmaceuticals Incorporated, a Massachusetts corporation (the "Company"), issuable under the Company's Employee Stock Purchase Plan (the "Plan").

I have examined the Articles of Organization and By-Laws of the Company, each as amended and restated to date, and originals, or copies certified to my satisfaction, of all pertinent records of the meetings of the directors and shareholders of the Company, the Registration Statement and such other documents relating to the Company as I have deemed material for the purposes of this opinion.

In my examination of the foregoing documents, I have assumed the genuineness of all signatures, the authenticity of all documents submitted to me as originals, the conformity to original documents of all documents submitted to me as certified, photostatic or other copies, the authenticity of the originals of any such documents and the legal competence of all signatories to such documents.

I express no opinion herein as to the laws of any state or jurisdiction other than the state laws of The Commonwealth of Massachusetts. It is understood that this opinion is to be used only in connection with the offer and sale of the Shares while the Registration Statement is in effect.

Please note I am opining only as to the matters expressly set forth herein, and no opinion should be inferred as to any other matters. I assume no obligation to revise or supplement this opinion should the present laws, or the interpretation thereof, be changed in respect of any circumstances or events that occur subsequent to the date hereof.

Based on the foregoing, I am of the opinion that the Shares have been duly authorized for issuance and, when the Shares are issued and paid for in accordance with the terms and conditions of the Plan, the Shares will be validly issued, fully paid and nonassessable.

I hereby consent to the filing of this opinion with the Commission in connection with the Registration Statement in accordance with the requirements of Item 601(b)(5) of Regulation S-K under the Securities Act. In giving such consent, I do not hereby admit that I am in the category of persons whose consent is required under Section 7 of the Securities Act or the rules and regulations of the Commission.

Very truly yours,

/s/ Omar White  
Omar White  
Vice President, Corporate Legal  
Vertex Pharmaceuticals Incorporated

**Consent of Independent Registered Public Accounting Firm**

We consent to the incorporation by reference in the Registration Statement (Form S-8) pertaining to the Employee Stock Purchase Plan (the “ESPP”) of Vertex Pharmaceuticals Incorporated of our reports dated February 13, 2019, with respect to the consolidated financial statements of Vertex Pharmaceuticals Incorporated and the effectiveness of internal control over financial reporting of Vertex Pharmaceuticals Incorporated included in its Annual Report (Form 10-K) for the year ended December 31, 2018, filed with the Securities and Exchange Commission.

/s/ Ernst & Young LLP

Boston, Massachusetts

August 1, 2019