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**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION**  
Washington, D.C. 20549

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**FORM S-8  
REGISTRATION STATEMENT**  
*UNDER  
THE SECURITIES ACT OF 1933*

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**Mirum Pharmaceuticals, Inc.**

(Exact name of registrant as specified in its charter)

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**Delaware**  
(State or other jurisdiction of  
incorporation or organization)

**83-1281555**  
(I.R.S. Employer  
Identification No.)

**950 Tower Lane, Suite 1050**  
**Foster City, California**  
(Address of Principal Executive Offices)

**94404**  
(Zip Code)

**2018 Equity Incentive Plan**  
**2019 Equity Incentive Plan**  
**2019 Employee Stock Purchase Plan**  
(Full titles of the plans)

**Christopher Peetz**  
**President and Chief Executive Officer**  
**Mirum Pharmaceuticals, Inc.**  
**950 Tower Lane, Suite 1050**  
**Foster City, California 94404**  
**(650) 667-4085**

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

*Copies to:*

**Jason L. Kent**  
**Alexa M. Ekman**  
**Cooley LLP**  
**4401 Eastgate Mall**  
**San Diego, California 92121**  
**(858) 550-6000**

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Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, 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   
Non-accelerated filer

Accelerated filer   
Smaller reporting company   
Emerging growth company

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.

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**CALCULATION OF REGISTRATION FEE**

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| Title of Securities To Be Registered       | Amount to be Registered(1) | Proposed Maximum Offering Price Per Share | Proposed Maximum Aggregate Offering Price | Amount of Registration Fee |
|--|----------------------------|---|---|----------------------------|
| <b>2018 Equity Incentive Plan</b>          |                            |   |   |                            |
| Common Stock, \$0.0001 par value per share | 3,077,812(2)               | \$4.725(6)                                | \$14,542,661.70(6)                        | \$1,763.00                 |
| <b>2019 Equity Incentive Plan</b>          |                            |   |   |                            |
| Common Stock, \$0.0001 par value per share | 1,384,443(3)               | \$13.62(7)                                | \$18,856,113.66(7)                        | \$2,286.00                 |
| <b>2019 Equity Incentive Plan</b>          |                            |   |   |                            |
| Common Stock, \$0.0001 par value per share | 17,000(4)                  | \$15.00                                   | \$255,000.00                              | \$31.00                    |
| <b>2019 Employee Stock Purchase Plan</b>   |                            |   |   |                            |
| Common Stock, \$0.0001 par value per share | 500,000(5)                 | \$11.58(8)                                | \$5,790,000.00(8)                         | \$702.00                   |
| <b>Total</b>                               | <b>4,979,255</b>           | <b>N/A</b>                                | <b>\$39,443,775.36</b>                    | <b>\$4,782.00</b>          |

- (1) Pursuant to Rule 416(a) under the Securities Act of 1933, as amended (the “Securities Act”), this Registration Statement shall also cover any additional shares of common stock (“Common Stock”) of Mirum Pharmaceuticals, Inc. (the “Registrant”) that become issuable under the Registrant’s 2018 Equity Incentive Plan, as amended (the “Prior Plan”), the Registrant’s 2019 Equity Incentive Plan (the “2019 Plan”), and the Registrant’s 2019 Employee Stock Purchase Plan (the “2019 ESPP”) by reason of any stock dividend, stock split, recapitalization or other similar transaction.
- (2) Represents shares of Common Stock reserved for issuance upon the exercise of outstanding stock options granted under the Prior Plan. No additional stock awards will be granted under the Prior Plan, and any shares subject to outstanding stock awards under the Prior Plan that (i) expire or terminate for any reason prior to exercise, (ii) are forfeited because of the failure to meet a contingency or condition required to vest such shares or otherwise return to the Registrant or (iii) are reacquired, withheld (or not issued) to satisfy a tax withholding obligation in connection with an award or to satisfy the purchase price or exercise price of a stock award) will become available for issuance pursuant to awards granted under the 2019 Plan. See footnote (3) below.
- (3) Represents (i) 1,283,000 shares of Common Stock reserved for future issuance under the 2019 Plan and (ii) 101,443 shares of Common Stock remaining available for issuance under the Prior Plan at the time the 2019 Plan became effective. Pursuant to the terms of the 2019 Plan, any shares subject to outstanding stock awards under the Prior Plan that (i) expire or terminate for any reason prior to exercise, (ii) are forfeited because of the failure to meet a contingency or condition required to vest such shares or otherwise return to the Registrant or (iii) are reacquired, withheld (or not issued) to satisfy a tax withholding obligation in connection with an award or to satisfy the purchase price or exercise price of a stock award) will become available for issuance pursuant to awards granted under the 2019 Plan. The 2019 Plan also provides that an additional number of shares will automatically be added annually to the shares authorized for issuance under the 2019 Plan on January 1st of each year, for a period of not more than ten years, commencing on January 1, 2020 and ending on (and including) January 1, 2029, in an amount equal to the lesser of (a) 5% of the total number of shares of the Registrant’s capital stock outstanding on December 31st of the preceding calendar year and (b) a number of shares of Common Stock designated by action of the Registrant’s board of directors prior to the applicable January 1st. This explanation is provided for information purposes only. The issuance of such shares is not being registered on this Registration Statement.
- (4) Represents shares of Common Stock reserved for issuance upon the exercise of outstanding options granted under the 2019 Plan at an exercise price of \$15.00 per share.
- (5) The 2019 ESPP provides that an additional number of shares will automatically be added annually to the shares authorized for issuance under the 2019 ESPP on January 1st of each year, for a period of not more than ten years, commencing on January 1, 2020 and ending on (and including) January 1, 2029, in an amount equal to the lesser of (i) 1% of the total number of shares of the Registrant’s capital stock outstanding on December 31st of the preceding calendar year, (ii) 1,500,000 shares of Common Stock and (iii) a number of shares of Common Stock designated by action of the Registrant’s board of directors prior to the applicable January 1st. This explanation is provided for information purposes only. The issuance of such shares is not being registered on this Registration Statement.
- (6) Estimated solely for the purpose of calculating the amount of the registration fee pursuant to Rule 457(h) of the Securities Act. The proposed maximum aggregate offering price per share and proposed maximum aggregate offering price are calculated using the weighted-average exercise price for such shares.
- (7) Estimated solely for the purpose of calculating the amount of the registration fee pursuant to Rule 457(h) of the Securities Act. The proposed maximum aggregate offering price per share and proposed maximum aggregate offering price are calculated using the average of the high and low prices of the Common Stock as reported on the Nasdaq Global Market on August 26, 2019.
- (8) Estimated solely for the purpose of calculating the amount of the registration fee pursuant to Rule 457(h) of the Securities Act. The proposed maximum aggregate offering price per share and proposed maximum aggregate offering price are calculated using the average of the high and low prices of the Common Stock as reported on the Nasdaq Global Market on August 26, 2019, multiplied by 85%.

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**PART I**  
**INFORMATION REQUIRED IN THE SECTION 10(a) PROSPECTUS**

The information called for by Part I of Form S-8 is omitted from this Registration Statement in accordance with Rule 428 of the Securities Act of 1933, as amended (the “Securities Act”) and the instructions to Form S-8. In accordance with the rules and regulations of the Securities and Exchange Commission (the “Commission”) and the instructions to Form S-8, such documents are not being filed with the Commission either as part of this Registration Statement or as prospectuses or prospectus supplements pursuant to Rule 424.

**PART II**  
**INFORMATION REQUIRED IN THE REGISTRATION STATEMENT**

**Item 3. Incorporation of Documents by Reference.**

The Registrant hereby incorporates by reference into this Registration Statement the following documents previously filed by the Registrant with the Commission:

- (a) The Registrant’s [prospectus](#) dated July 17, 2019 and filed on July 18, 2019 pursuant to Rule 424(b) under the Securities Act relating to the Registration Statement on Form S-1, as amended (File No. 333-232251), which contains audited financial statements for the Registrant’s latest fiscal year for which such statements have been filed;
- (b) The Registrant’s Quarterly Report on [Form 10-Q](#), filed with the Commission on August 28, 2019;
- (c) The Registrant’s Current Report on [Form 8-K](#), filed with the Commission on July 25, 2019; and
- (d) The description of the Registrant’s Common Stock contained in the Registrant’s Registration Statement on [Form 8-A](#) filed on July 15, 2019 (File No. 001-38981) under Section 12(b) of the Securities Exchange Act of 1934, as amended (the “Exchange Act”), including any amendment or report filed for the purpose of updating such description.

All documents filed by the Registrant pursuant to Section 13(a), 13(c), 14 or 15(d) of the Exchange Act after the date of this Registration Statement and prior to the filing of a post-effective amendment which indicates that all securities offered hereby have been sold or which deregisters all securities then remaining unsold, shall be deemed to be incorporated by reference into this Registration Statement and to be a part hereof from the date of filing of such documents; provided, however, that documents or portions thereof that are furnished and not filed in accordance with the rules of the Commission shall not be deemed incorporated by reference into this Registration Statement. Any statement contained in a document incorporated or deemed to be incorporated by reference herein shall be deemed to be modified or superseded for purposes of this Registration Statement to the extent that a statement herein or in any other subsequently filed document that also is or is deemed to be incorporated by reference herein modifies or supersedes such statement. Any such statement so modified or superseded shall not constitute a part of this Registration Statement, except as so modified or superseded.

**Item 4. Description of Securities.**

Not applicable.

**Item 5. Interests of Named Experts and Counsel.**

Not applicable.

**Item 6. Indemnification of Directors and Officers.**

The Registrant is incorporated under the laws of the State of Delaware. Section 145 of the Delaware General Corporation Law (the “General Corporation Law”) authorizes a court to award, or a corporation’s board of directors to grant, indemnity to directors and officers in terms sufficiently broad to permit such indemnification under certain circumstances for liabilities, including reimbursement for expenses incurred, arising under the Securities Act. The Registrant’s amended and restated certificate of incorporation permits indemnification of the Registrant’s directors, officers, employees and other agents to the maximum extent permitted by the General Corporation Law, and the Registrant’s amended and restated bylaws provide that the Registrant will indemnify its directors and officers and permit the Registrant to indemnify its employees and other agents, in each case, to the maximum extent permitted by law.

As permitted by the General Corporation Law, the Registrant has entered into indemnification agreements with each of its directors and officers, pursuant to which it has agreed to indemnify such persons against any and all costs and expenses (including attorneys', witness or other professional fees) actually and reasonably incurred by such persons in connection with any action, suit or proceeding (including derivative actions), whether actual or threatened, to which any such person may be made a party by reason of the fact that such person is or was a director or officer or is or was acting or serving as a director, officer, employee or agent of the Registrant or any of its affiliated enterprises, provided that such director or officer acted in good faith and in a manner that the director or officer reasonably believed to be in, or not opposed to, the Registrant's best interest.

At present, there is no pending litigation or proceeding involving any of the Registrant's directors or officers as to which indemnification is required or permitted, and the Registrant is not aware of any threatened litigation or proceeding that may result in a claim for indemnification.

The Registrant maintains an insurance policy that covers its directors and officers with respect to certain liabilities, including liabilities arising under the Securities Act and the Exchange Act that might be incurred by any director or officer in his or her capacity as such.

#### **Item 7. Exemption from Registration Claimed.**

Not applicable.

#### **Item 8. Exhibits.**

The exhibits to this Registration Statement are listed below:

| <b>Exhibit<br/>Number</b> | <b>Description</b>   |
|---------------------------|--|
| 4.1                       | <a href="#"><u>Amended and Restated Certificate of Incorporation of the Registrant (incorporated by reference to Exhibit 3.1 to the Registrant's Current Report on Form 8-K (File No. 001-38981), filed with the Commission on July 25, 2019).</u></a>   |
| 4.2                       | <a href="#"><u>Amended and Restated Bylaws of the Registrant (incorporated by reference to Exhibit 3.2 to the Registrant's Current Report on Form 8-K (File No. 001-38981), filed with the Commission on July 25, 2019).</u></a>   |
| 4.3                       | <a href="#"><u>Form of Common Stock Certificate of the Registrant (incorporated by reference to Exhibit 4.1 to the Registrant's Registration Statement on Form S-1 (File No. 333-232251), filed with the Commission on July 8, 2019).</u></a>  |
| 4.4                       | <a href="#"><u>Investors' Rights Agreement, dated November 5, 2018 (incorporated by reference to Exhibit 4.2 to the Registrant's Registration Statement on Form S-1 (File No. 333-232251), filed with the Commission on June 21, 2019).</u></a>  |
| 5.1                       | <a href="#"><u>Opinion of Cooley LLP.</u></a>  |
| 23.1                      | <a href="#"><u>Consent of Ernst &amp; Young LLP, independent registered public accounting firm.</u></a>  |
| 23.2                      | <a href="#"><u>Consent of Cooley LLP (included in Exhibit 5.1).</u></a>  |
| 24.1                      | <a href="#"><u>Power of Attorney (included on the signature page).</u></a>   |
| 99.1                      | <a href="#"><u>Mirum Pharmaceuticals, Inc. 2018 Equity Incentive Plan (incorporated by reference to Exhibit 10.1 to the Registrant's Registration Statement on Form S-1 (File No. 333-232251), filed with the Commission on June 21, 2019).</u></a>  |
| 99.2                      | <a href="#"><u>Forms of grant notice, stock option agreement and notice of exercise under the Mirum Pharmaceuticals, Inc. 2018 Equity Incentive Plan (incorporated by reference to Exhibit 10.2 to the Registrant's Registration Statement on Form S-1 (File No. 333-232251), filed with the Commission on June 21, 2019).</u></a> |
| 99.3                      | <a href="#"><u>Mirum Pharmaceuticals, Inc. 2019 Equity Incentive Plan (incorporated by reference to Exhibit 10.3 to the Registrant's Registration Statement on Form S-1 (File No. 333-232251), filed with the Commission on July 8, 2019).</u></a>   |
| 99.4                      | <a href="#"><u>Forms of grant notice, stock option agreement and notice of exercise under the Mirum Pharmaceuticals, Inc. 2019 Equity Incentive Plan (incorporated by reference to Exhibit 10.4 to the Registrant's Registration Statement on Form S-1 (File No. 333-232251), filed with the Commission on July 8, 2019).</u></a>  |
| 99.5                      | <a href="#"><u>Forms of restricted stock unit grant notice and award agreement under the Mirum Pharmaceuticals, Inc. 2019 Equity Incentive Plan (incorporated by reference to Exhibit 10.5 to the Registrant's Registration Statement on Form S-1 (File No. 333-232251), filed with the Commission on July 8, 2019).</u></a>       |
| 99.6                      | <a href="#"><u>Mirum Pharmaceuticals, Inc. 2019 Employee Stock Purchase Plan (incorporated by reference to Exhibit 10.6 to the Registrant's Registration Statement on Form S-1 (File No. 333-232251), filed with the Commission on July 8, 2019).</u></a>  |

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**Item 9. Undertakings.**

(a) The undersigned Registrant hereby undertakes:

- (1) To file, during any period in which offers or sales are being made, a post-effective amendment to this Registration Statement:
  - (i) To include any prospectus required by Section 10(a)(3) of the Securities Act;
  - (ii) To reflect in the prospectus any facts or events arising after the effective date of the Registration Statement (or the most recent post-effective amendment thereof) which, individually or in the aggregate, represent a fundamental change in the information set forth in the Registration Statement. Notwithstanding the foregoing, any increase or decrease in volume of securities offered (if the total dollar value of securities offered would not exceed that which was registered) and any deviation from the low or high end of the estimated maximum offering range may be reflected in the form of prospectus filed with the Commission pursuant to Rule 424(b) if, in the aggregate, the changes in volume and price represent no more than a 20% change in the maximum aggregate offering price set forth in the "Calculation of Registration Fee" table in the effective Registration Statement; and
  - (iii) To include any material information with respect to the plan of distribution not previously disclosed in the Registration Statement or any material change to such information in the Registration Statement.

*Provided, however,* that paragraphs (a)(1)(i) and (a)(1)(ii) do not apply if the Registration Statement is on Form S-8, and the information required to be included in a post-effective amendment by those paragraphs is contained in reports filed with or furnished to the Commission by the Registrant pursuant to Section 13 or Section 15(d) of the Exchange Act that are incorporated by reference in the Registration Statement.

- (2) That, for the purpose of determining any liability under the Securities Act, each such post-effective amendment shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof.
- (3) To remove from registration by means of a post-effective amendment any of the securities being registered which remain unsold at the termination of the offering.
- (4) That, for the purpose of determining liability of the Registrant under the Securities Act to any purchaser in the initial distribution of the securities, the undersigned Registrant undertakes that in a primary offering of securities of the undersigned Registrant pursuant to this Registration Statement, regardless of the underwriting method used to sell the securities to the purchaser, if the securities are offered or sold to such purchaser by means of any of the following communications, the undersigned registrant will be a seller to the purchaser and will be considered to offer or sell such securities to such purchaser:

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- (i) Any preliminary prospectus or prospectus of the undersigned Registrant relating to the offering required to be filed pursuant to Rule 424;
  - (ii) Any free writing prospectus relating to the offering prepared by or on behalf of the undersigned Registrant or used or referred to by the undersigned Registrant;
  - (iii) The portion of any other free writing prospectus relating to the offering containing material information about the undersigned Registrant or its securities provided by or on behalf of the undersigned Registrant; and
  - (iv) Any other communication that is an offer in the offering made by the undersigned Registrant to the purchaser.
- (b) The undersigned Registrant hereby undertakes that, for purposes of determining any liability under the Securities Act, each filing of the Registrant's annual report pursuant to Section 13(a) or Section 15(d) of the Exchange Act (and, where applicable, each filing of an employee benefit plan's annual report pursuant to Section 15(d) of the Exchange Act) that is incorporated by reference in the Registration Statement shall be deemed to be a new registration statement relating to the securities offered herein, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof.
- (c) Insofar as indemnification for liabilities arising under the Securities Act may be permitted to directors, officers and controlling persons of the Registrant pursuant to the foregoing provisions, or otherwise, the Registrant has been advised that in the opinion of the Commission such indemnification is against public policy as expressed in the Securities Act and is, therefore, unenforceable. In the event that a claim for indemnification against such liabilities (other than the payment by the Registrant of expenses incurred or paid by a director, officer or controlling person of the Registrant in the successful defense of any action, suit or proceeding) is asserted by such director, officer or controlling person in connection with the securities being registered, the Registrant will, unless in the opinion of its counsel the matter has been settled by controlling precedent, submit to a court of appropriate jurisdiction the question whether such indemnification by it is against public policy as expressed in the Securities Act and will be governed by the final adjudication of such issue.

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## SIGNATURES

Pursuant to the requirements of the Securities Act of 1933, as amended, the Registrant certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-8 and has duly caused this Registration Statement to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of Foster City, State of California, on August 28, 2019.

### MIRUM PHARMACEUTICALS, INC.

By: /s/ Christopher Peetz  
Christopher Peetz  
President and Chief Executive Officer

## POWER OF ATTORNEY

KNOW ALL PERSONS BY THESE PRESENTS, that each person whose signature appears below constitutes and appoints Christopher Peetz, Ian Clements, Ph.D. and Michael Grey, and each one of them, as his or her true and lawful attorneys-in-fact and agents, with full power of substitution and resubstitution, for him or her and in their name, place and stead, in any and all capacities, to sign any and all amendments (including post-effective amendments) to this registration statement, and to sign any registration statement for the same offering covered by this registration statement that is to be effective on filing pursuant to Rule 462(b) under the Securities Act of 1933, as amended, and all post-effective amendments thereto, and to file the same, with all exhibits thereto and other documents in connection therewith, with the Securities and Exchange Commission, granting unto said attorneys-in-fact and agents, and each of them, full power and authority to do and perform each and every act and thing requisite and necessary to be done in connection therewith, as fully to all intents and purposes as he might or could do in person, hereby ratifying and confirming all that said attorneys-in-fact and agents or any of them, or his substitute or substitutes, may lawfully do or cause to be done by virtue hereof.

Pursuant to the requirements of the Securities Act of 1933, as amended, this Registration Statement has been signed by the following persons in the capacities and on the dates indicated.

| <u>Signature</u>  | <u>Title</u>  | <u>Date</u>     |
|---|---|-----------------|
| <u>/s/ Christopher Peetz</u><br>Christopher Peetz         | President, Chief Executive Officer and Director (Principal Executive Officer)                 | August 28, 2019 |
| <u>/s/ Ian Clements, Ph.D.</u><br>Ian Clements, Ph.D.     | Senior Vice President Finance and Communications (Principal Financial and Accounting Officer) | August 28, 2019 |
| <u>/s/ Michael Grey</u><br>Michael Grey                   | Executive Chairman  | August 28, 2019 |
| <u>/s/ Tiba Aynечи, Ph.D.</u><br>Tiba Aynечи, Ph.D.       | Director  | August 28, 2019 |
| <u>/s/ Laura Brege</u><br>Laura Brege                     | Director  | August 28, 2019 |
| <u>/s/ Laurent Fischer, M.D.</u><br>Laurent Fischer, M.D. | Director  | August 28, 2019 |
| <u>/s/ Patrick Heron</u><br>Patrick Heron                 | Director  | August 28, 2019 |

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/s/ Edward T. Mathers Director  
Edward T. Mathers

August 28, 2019

/s/ Niall O'Donnell, Ph.D. Director  
Niall O'Donnell, Ph.D.

August 28, 2019



Jason L. Kent  
+1 858 550 6044  
jkent@cooley.com

August 28, 2019

Mirum Pharmaceuticals, Inc.  
950 Tower Lane, Suite 1050  
Foster City, California 94404

Ladies and Gentlemen:

We have represented Mirum Pharmaceuticals, Inc., a Delaware corporation (the "*Company*"), in connection with the filing by the Company of a registration statement on Form S-8 (the "*Registration Statement*") with the Securities and Exchange Commission, covering the offering of up to 4,979,255 shares of the Company's common stock, par value \$0.0001 per share (the "*Common Stock*"), consisting of (i) 3,077,812 shares of Common Stock (the "*Prior Plan Shares*") issuable pursuant to the Company's 2018 Equity Incentive Plan (the "*Prior Plan*"), (ii) 1,401,443 shares of Common Stock (the "*2019 Plan Shares*") issuable pursuant to the Company's 2019 Equity Incentive Plan (the "*2019 Plan*"), and (iii) 500,000 shares of Common Stock (together with the Prior Plan Shares and the 2019 Plan Shares, the "*Shares*") issuable pursuant to the Company's 2019 Employee Stock Purchase Plan (together with the Prior Plan and the 2019 Plan, the "*Plans*").

In connection with this opinion, we have examined and relied upon (i) the Registration Statement and related prospectuses, (ii) the Company's Amended and Restated Certificate of Incorporation and Amended and Restated Bylaws, each as currently in effect, (iii) the Plans, and (iv) originals or copies certified to our satisfaction of such records, documents, certificates, memoranda and other instruments as in our judgment are necessary or appropriate to enable us to render the opinion expressed below. We have undertaken no independent verification with respect to such matters. We have assumed the genuineness and authenticity of all documents submitted to us as originals, and the conformity to originals of all documents submitted to us as copies and the due execution and delivery of all documents, other than by the Company, where due execution and delivery are a prerequisite to the effectiveness thereof. As to certain factual matters, we have relied upon a certificate of an officer of the Company and have not sought independently to verify such matters.

Our opinion is expressed only with respect to the General Corporation Law of the State of Delaware. We express no opinion to the extent that any other laws are applicable to the subject matter hereof and express no opinion and provide no assurance as to compliance with any federal or state securities law, rule or regulation.

On the basis of the foregoing, and in reliance thereon, we are of the opinion that the Shares, when sold and issued against payment therefor as described in the Registration Statement and related prospectuses, will be validly issued, fully paid and non-assessable.

We consent to the filing of this opinion as an exhibit to the Registration Statement.

Cooley LLP 4401 Eastgate Mall San Diego, CA 92121  
t: (858) 550-6000 f: (858) 550-6420 cooley.com



**Consent of Independent Registered Public Accounting Firm**

We consent to the incorporation by reference in the Registration Statement (Form S-8) pertaining to the Mirum Pharmaceuticals, Inc. 2018 Equity Incentive Plan, 2019 Equity Incentive Plan, and 2019 Employee Stock Purchase Plan of Mirum Pharmaceuticals, Inc. of our report dated April 18, 2019 (except for the second paragraph of Note 9, as to which the date is July 8, 2019), with respect to the consolidated financial statements of Mirum Pharmaceuticals, Inc. included in its Registration Statement (Form S-1 No. 333-232251), filed with the Securities and Exchange Commission.

/s/ Ernst & Young LLP

Irvine, California  
August 28, 2019