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

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**FORM 8-K**

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**CURRENT REPORT  
Pursuant to Section 13 or 15(d)  
of the Securities Exchange Act of 1934**

Date of Report (Date of earliest event reported): **June 19, 2019**

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**RHYTHM PHARMACEUTICALS, INC.**

(Exact name of registrant as specified in its charter)

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

**001-38223**  
(Commission  
File Number)

**46-2159271**  
(IRS Employer  
Identification Number)

**222 Berkeley Street  
12<sup>th</sup> Floor  
Boston, MA 02116**

(Address of principal executive offices, including Zip Code)

Registrant's telephone number, including area code: **(857) 264-4280**

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Indicate by check mark whether the registrant is an emerging growth company as defined in Rule 405 of the Securities Act of 1933 (§230.405 of this chapter) or Rule 12b-2 of the Securities Exchange Act of 1934 (§240.12b-2 of this chapter). 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 13(a) of the Exchange Act.

Securities registered pursuant to Section 12(b) of the Act:

Title of each class	Trading Symbol(s)	Name of each exchange on which registered
Common Stock, \$0.001 par value per share	RYTM	The Nasdaq Stock Market LLC (Nasdaq Global Market)

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**Item 5.07 Submission of Matters to a Vote of Security Holders.**

(a) Rhythm Pharmaceuticals, Inc. (the "Company") held its 2019 Annual Meeting of Stockholders (the "Annual Meeting") on June 19, 2019.

(b) The final voting results on each of the matters submitted to a vote of stockholders at the Annual Meeting are set forth below.

(1) The following director nominees were elected to serve as Class II directors until the Company's 2022 Annual Meeting of Stockholders and until their successors are duly elected and qualified:

<u>Nominee</u>	<u>Votes For</u>	<u>Votes Withheld</u>	<u>Votes Abstaining</u>	<u>Broker Non-Votes</u>
Jennifer Good	28,033,908	4,538	36,100	2,720,748
Todd Foley	24,084,965	19,553	3,970,028	2,720,748
Ed Mathers	21,664,321	2,177,752	4,232,473	2,720,748

(2) The appointment of Ernst & Young LLP as the Company's independent registered public accounting firm for the fiscal year ending December 31, 2019 was ratified.

<u>Votes For</u>	<u>Votes Against</u>	<u>Votes Abstaining</u>
30,764,774	1,375	29,145

