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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): September 14, 2017**

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**MYOKARDIA, INC.**

(Exact name of registrant as specified in its charter)

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

**001-37609**  
(Commission  
File Number)

**44-550552**  
(I.R.S. Employer  
Identification No.)

**333 Allerton Ave.**  
**South San Francisco, CA 94080**  
(Address of principal executive offices, including zip code)

**(650) 741-0900**  
(Registrant's telephone number, including area code)

**Not Applicable**  
(Former Name or Former Address, if Changed Since Last Report)

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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.

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**Item 5.02 Departure of Directors or Certain Officers; Election of Directors; Appointment of Certain Officers; Compensatory Arrangements of Certain Officers.**

**(a)**

On September 14, 2017, Eric Topol, M.D. delivered his resignation from the board of directors (the “Board”) of MyoKardia, Inc., as Delaware corporation (the “Company”), including all committees of the Board on which he served, effective on September 14, 2017. Dr. Topol was a member of the Science and Technology Committee of the Board at the time of his resignation. Dr. Topol’s resignation was not the result of any disagreement with the Company on any matters relating to the Company’s operations, policies or practices. Dr. Topol will continue to serve as an advisor to the Company.

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**SIGNATURES**

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

Date: September 14, 2017

**MyoKardia, Inc.**

By: /s/Jacob Bauer

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Jacob Bauer

Senior Vice President, Finance and Corporate Development  
**(principal financial and accounting officer)**