SEC	Form	4
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Employee Stock

\$25.79

Explanation of Responses:

Option (Right to Buy)

## FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL
OMB Number: 3235-0287

0.5

Estimated average burden

hours per response:

Check this box if no longer subject to	
Section 16. Form 4 or Form 5	
obligations may continue. See	
Instruction 1(b).	

## STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

					or Se	ection 30(h)	of the	Investme		опрану Асі	01 1940							
1. Name and Address of Reporting Person* Gottesdiener Keith Michael				2. Issuer Name and Ticker or Trading Symbol <u>RHYTHM PHARMACEUTICALS, INC.</u> [ <u>RYTM</u> ]									ck all applic Director	ationship of Reporting k all applicable) Director		10% O\	wner	
(Last) (First) (Middle) 500 BOYLSTON STREET, 11TH FLOOR				3. Date of Earliest Transaction (Month/Day/Year) 02/14/2018								X	X Officer (give title Other ( below) below) CEO & President					
(Street) BOSTO (City)		IA State)	02116 (Zip)		4. If Amendment, Date of Original Filed (Month/Day/Year)							Line)	ndividual or Joint/Group Filing (Check Applicable 2) X Form filed by One Reporting Person Form filed by More than One Reporting Person					
		Та	ble I - Nor	n-Deriv	ative	Securitie	s Ac	quired,	, Dis	sposed o	of, or B	ene	ficially	Owned				
1. Title of Security (Instr. 3) 2. Transa Date (Month/L			action 2A. Deemed Execution Date, if any (Month/Day/Year)		Code	Transaction Disposed Code (Instr.			ities Acquired (A) o d Of (D) (Instr. 3, 4 a				6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)		7. Nature of Indirect Beneficial Ownership (Instr. 4)			
								Code	v	Amount	(A) (D)	or	Price	Transaction(s) (Instr. 3 and 4)			(113)	
	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.     3. Transaction Date     3A. Deemed Execution Date, if any (Month/Day/Year)       1. Title of Derivative Security     2.     3. Transaction Date     3A. Deemed Execution Date, if any (Month/Day/Year)		ate, Tra Co	ansaction Derivative E		Expiratio	6. Date Exercisable and Expiration Date (Month/Day/Year)			7. Title and Amo of Securities Underlying Derivative Secur (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number derivativ Securitie Beneficia Owned Followin Reported Transact	re es ally g d tion(s)	e Ownership 5 Form: Ily Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership (Instr. 4)			
												mount		(Instr. 4)				

Date

Exercisable

(1)

(D)

Expiration Date

02/13/2028

Title

Common Stock Number

of Shares

175,000

fact for Keith M. Gottesdiener \*\* Signature of Reporting Person

\$<mark>0</mark>

/s/ Hunter S. Smith, attorney-in-02/16/2018

175,000

Date

D

02/14/2018

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

1. This option was granted on February 14, 2018 and the shares underlying this option vest in sixteen equal quarterly installments.

\* 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).

Code V

A

(A)

175,000

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.