SEC	Form	4
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## FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

## 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

OMB APPROVAL 2025 000

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1. Name and Address of Reporting Person <sup>*</sup> Van der Ploeg Leonardus H.T.			2. Issuer Name and Ticker or Trading Symbol <u>RHYTHM PHARMACEUTICALS, INC.</u> [ RYTM]		tionship of Reporting Pe all applicable) Director	10% Owner					
(Last) 222 BERKEL	(First) LEY STREET,	(Middle) SUITE 1200	3. Date of Earliest Transaction (Month/Day/Year) 05/30/2019	X	Officer (give title below) Chief Scientifi	Other (specify below)					
(Street) BOSTON (City)	MA (State)	02116 (Zip)	4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Indiv Line) X	ridual or Joint/Group Fili Form filed by One Re Form filed by More th Person	porting Person					
	Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned										

## Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transa Code (					5. Amount of Securities Beneficially Owned Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership
		(Month/Day/Tear)	8) Code	v	Amount	Amount (A) or Price		Reported Transaction(s) (Instr. 3 and 4)		(Instr. 4)
Common Stock	05/30/2019		М		5,000	Α	\$4.59	47,339	D	
Common Stock	05/30/2019		S		5,000	D	<b>\$25.31</b> <sup>(1)</sup>	42,339	D	
Common Stock	05/31/2019		М		5,000	Α	\$4.59	47,339	D	
Common Stock	05/31/2019		S		5,000	D	<b>\$25</b> .1 <sup>(2)</sup>	42,339	D	

## 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. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transa Code ( 8)		of		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	v	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
Employee Stock Option (Right to Buy)	\$4.59	05/30/2019		М		5,000		(3)	11/16/2025	Common Stock	5,000	\$ <b>0</b>	13,611	D	
Employee Stock Option (Right to Buy)	\$4.59	05/31/2019		М		5,000		(3)	11/16/2025	Common Stock	5,000	\$ <u>0</u>	8,611	D	

Explanation of Responses:

1. This transaction was executed in multiple trades at prices ranging from \$25.11 to \$25.64, inclusive; the price reported above reflects the weighted average sale price. Mr. Van der Ploeg hereby undertakes to provide to the Securities and Exchange Commission staff, the issuer or any security holder of the issuer, upon request, full information regarding the number of shares and prices at which the transaction was effected.

2. This transaction was executed in multiple trades at prices ranging from \$25.00 to \$25.33, inclusive; the price reported above reflects the weighted average sale price. Mr. Van der Ploeg hereby undertakes to provide to the Securities and Exchange Commission staff, the issuer or any security holder of the issuer, upon request, full information regarding the number of shares and prices at which the transaction was effected.

3. The stock options vest and become exercisable in 48 successive, equal monthly installments measured from August 3, 2015

/s/ Hunter S. Smith, attorneyin-fact for Leonardus H.T. Van 06/03/2019 der Ploeg

\*\* Signature of Reporting Person Date

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

\* 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).

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.