FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, I	D.C.	20549	
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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL							
OMB Number: 3235-0287							
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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

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

Name and Address of Reporting Person* Meeker David P					2. Issuer Name and Ticker or Trading Symbol RHYTHM PHARMACEUTICALS, INC. [RYTM]						[(Che	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) X Director 10% Owner Officer (give title Other (specify						
(Last)	(F	irst)	(Middle)	\vdash								below)	.0		below)	pecity		
C/O RH	YTHM PHA	ARMACEUTICA	ALS, INC.		. Date (2/01/2	of Earliest Transaction (Month/Day/Year) /2023				President and CEO								
222 BERKELEY STREET, 12TH FLOOR																		
(Street)	N M	IA	02116	4.	4. If Amendment, Date of Original Filed (Month/Day/Year)						Line	Individual or Joint/Group Filing (Check Applicable Line) X Form filed by One Reporting Person Form filed by More than One Reporting						
(City)	(S	tate)	(Zip)		Person													
	Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																	
Date		ansactionth/Day/	Execution Date,		Code (Ins	on Dispose	posed Of (D) (Instr. 3, 4		Beneficia Owned Fo Reported Transacti	es Form (D) o following d ion(s)		Direct I Indirect E str. 4)	7. Nature of ndirect Beneficial Dwnership Instr. 4)					
	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)		5. Number Derivative Securitie Acquired or Dispos of (D) (In: 3, 4 and 9	vative Expiration Date (Month/Day/Year) isposed () (Instr.		6. Date Exercisable and Expiration Date (Month/Day/Year) 7. Title and Amou of Securities Underlying Derivative Secur (Instr. 3 and 4)		ies g Security	8. Price of Derivative Security (Instr. 5)			10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership (Instr. 4)		
				Code	v	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares		(Instr. 4))II(S)				
Restricted Stock Units	(1)	02/01/2023		A		56,500		(2)	(2)	Common Stock	56,500	\$0	56,500		D			
Stock Option (Right to Buy)	\$27.35	02/01/2023		A		229,600		(3)	01/31/2033	Common Stock	229,600	\$0	229,600	0	D			

Explanation of Responses:

- $1. \ Each \ restricted \ stock \ unit \ represents \ a \ contingent \ right \ to \ receive \ one \ share \ of \ Issuer \ common \ stock.$
- 2. The restricted stock units vest as to 25% of the total shares on each of February 1, 2024, February 1, 2025, February 1, 2026 and February 1, 2027. The restricted stock units have no expiration date.
- 3. The stock options were granted on February 1, 2023. The options vest and become exercisable in 16 substantially equal installments upon the Reporting Person's completion of each three full months of successive service to the Issuer following the grant date.

/s/ Hunter C. Smith, Attorneyin-Fact for David P. Meeker

02/03/2023

** Signature of Reporting Person

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.