SEC Form 4					
FORM 4	UNITED STAT				
Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).	_	IT OF CHANGES IN BENEFICIAL OWN pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940	-	OMB Number: Estimated average I hours per response:	3235-0287 burden
1. Name and Address of Reporting Per- Smith Hunter C	son*	2. Issuer Name and Ticker or Trading Symbol <u>RHYTHM PHARMACEUTICALS</u> , <u>INC.</u> [RYTM]	5. Relationship of F (Check all applicab Director X Officer (gi below)	109 ve title Oth	to Issuer % Owner ler (specify ow)
(Last) (First) C/O RHYTHM PHARMACEUT 222 BERKELEY STREET, 12T		3. Date of Earliest Transaction (Month/Day/Year) 02/09/2023	,	f Financial Office	,
(Street) BOSTON MA (City) (State)	02116 (Zip)	4. If Amendment, Date of Original Filed (Month/Day/Year) 02/13/2023	Line) X Form filed	nt/Group Filing (Che by One Reporting F by More than One I	Person
Та	ble I - Non-Deriva	tive Securities Acquired, Disposed of, or Benef	icially Owned		

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following	Form: Direct	7. Nature of Indirect Beneficial Ownership
			Code	v	Amount	(A) or (D)	Price	Reported Transaction(s) (Instr. 3 and 4)		(Instr. 4)
Common Stock	02/09/2023		S ⁽¹⁾		1,413	D	\$27.51	57,764	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)		ansaction de (Instr.		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				

Explanation of Responses:

1. The sale reported in the Form 4 was effected pursuant to a Rule 10b5-1 instruction solely with the intent to cover withholding taxes in connection with the vesting of certain previously reported restricted stock units.

Remarks:

This amended Form 4 is being filed solely for the purpose of correcting an administrative error in the number of shares sold and sale price which were initially reported on the Form 4 filed on February 13, 2023.

/s/ Hunter C. Smith

** 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.

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02/14/2023