SEC Form 4	
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FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL

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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)

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 2. Issuer Name and Ticker or Trading Symbol 5. Relationship of Reporting Person(s) to Issuer 1. Name and Address of Reporting Person* (Check all applicable) **RHYTHM PHARMACEUTICALS, INC.** Smith Hunter C Director 10% Owner RYTM] Officer (give title Other (specify X below) below) 3. Date of Earliest Transaction (Month/Day/Year) (Last) (First) (Middle) **Chief Financial Officer** 11/24/2023 222 BERKELEY STREET, 12TH FLOOR 6. Individual or Joint/Group Filing (Check Applicable 4. If Amendment, Date of Original Filed (Month/Day/Year) Line) (Street) х Form filed by One Reporting Person 02116 BOSTON MA Form filed by More than One Reporting Person (Citv) (State) (Zip) Rule 10b5-1(c) Transaction Indication Check this box to indicate that a transaction was made pursuant to a contract, instruction or written plan that is intended to satisfy the affirmative defense conditions of Rule 10b5-1(c). See Instruction 10. Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5) 2. Transaction 6. Ownership 7. Nature 2A. Deemed 5. Amount of 1. Title of Security (Instr. 3) 3. Transaction Date Execution Date. Securities Form: Direct of Indirect Beneficially if any (Month/Day/Year) (Month/Day/Year Code (Instr. (D) or Indirect Beneficial **Owned Following** Ownership 8) (I) (Instr. 4) Reported (Instr. 4) (A) or (D) Transaction(s) Code v Amount Price (Instr. 3 and 4) 11/24/2023 10,974 Common Stock Μ A \$6.88 72,380 D Common Stock 11/24/2023 **S**⁽¹⁾ 10,974 D \$35.0224(2) 61,406 D Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities) 3A. Deemed Execution Date, 6. Date Exercisable and Expiration Date (Month/Day/Year) 8. Price of Derivative 1. Title of 2. Conversion 3. Transaction 5. Number 7. Title and Amount 9. Number of 11. Nature 10 Derivative Date Transaction of of Securities derivative Ownership of Indirect do (Inet Underlying urity.

	instr. 3)	Price of Derivative Security	(Month/Day/Year)	(Month/Day/Year)	8)		Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		(Month/Day/Tear)		Derivative Security (Instr. 3 and 4)		(Instr. 5)	Beneficially Owned Following Reported Transaction(s) (Instr. 4)	Direct (D) or Indirect (I) (Instr. 4)	Ownership (Instr. 4)	
					Code	v	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares					
0	tock Option Right to Buy)	\$ 6.88	11/24/2023		М			10,974	(3)	08/08/2027	Common Stock	10,974	\$0	138,120	D		

Explanation of Responses:

1. The sale reported in this Form 4 was effected pursuant to a Rule 10b5-1 trading plan adopted by the Reporting Person on December 13, 2022.

2. The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at per share prices ranging from \$35.00 to \$35.28. The Reporting Person undertakes to provide to the Issuer, any security holder of the Issuer or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares sold at each separate price within the range set forth in this footnote.

3. The stock options is fully vested.

/s/ Hunter Smith

** Signature of Reporting Person

11/28/2023

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.

Date