Instruction 1(b).

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See

OMB APPROVAL										
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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* Chien Jennifer					RH	2. Issuer Name and Ticker or Trading Symbol RHYTHM PHARMACEUTICALS, INC. [RYTM]									k all app Direc	,	ng Pei	rson(s) to I 10% O Other (wner
(Last) (First) (Middle) C/O RHYTHM PHARMACEUTICALS, INC. 222 BERKELEY STREET, 12TH FLOOR						3. Date of Earliest Transaction (Month/Day/Year) 02/09/2023								Λ	belov EVI	v) Tead of	`Nort	below)	a
(Street) BOSTO	N MA		2116 Zip)		4. If Amendment, Date of Original Filed (Month/Day/Year) 02/13/2023)	6. Indi Line) X	vidual or Joint/Group Filing (Check Applicable Form filed by One Reporting Person Form filed by More than One Reporting Person					
		Table	I - No	n-Deriva	tive S	Secu	rities	Acq	uired,	, Dis	posed of	, or E	Benef	icially	y Own	ed			
1. Title of Security (Instr. 3) 2. Transacti Date (Month/Day				Execution Date,		3. Transaction Code (Instr. 8) 4. Securitie Disposed C		es Acquired (A) Of (D) (Instr. 3,		4 and Secu		cially I Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)		7. Nature of Indirect Beneficial Ownership (Instr. 4)				
									Code	v	Amount	(A) or PI		ice	Transaction(s) (Instr. 3 and 4)				(11301. 4)
Common Stock 02/09/2					2023				S ⁽¹⁾		1,204	D \$27.		27.51	3,544			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)			Code (8)	ansaction of ode (Instr. Derivative		6. Date Exercisable and Expiration Date (Month/Day/Year) Date Expiration Date Exercisable		7. Title and Amount of Securities Underlying Derivative Security (Inst 3 and 4) Amour or Numbe of Title Shares		De Se (In	Price of rivative curity str. 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)				

Explanation of Responses:

1. The sales 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,

/s/ Hunter Smith, Attorney-in-02/14/2023 Fact for Jennifer Chien

** 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.