FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

vvasnington,	D.C. 20549	
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OMB APPROVAL										
OMB Number:	3235-0287									
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0.5

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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

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1. Name and Address of Reporting Person* Tanguler Tolga					AI	2. Issuer Name and Ticker or Trading Symbol ALNYLAM PHARMACEUTICALS, INC. [ALNY]								Relationship leck all appl Direct	cable)	g Pers	on(s) to Iss 10% Ow Other (s	ner		
(Last) 675 WES	`	irst) (Middle)				3. Date of Earliest Transaction (Month/Day/Year) 02/27/2024								^ below	below) below) EVP, Chief Commercial Offic					
HENRI A. TERMEER SQUARE					4. 11	4. If Amendment, Date of Original Filed (Month/Day/Year)								6. Individual or Joint/Group Filing (Check Applicable Line)						
(Street) CAMBR	Street) CAMBRIDGE MA 02142														X Form filed by One Reporting Person Form filed by More than One Reporting Person					
(City)	(S	tate)	(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.											d to				
		Tab	le I - N	on-Deri	vative	Sec	uriti	ies Ac	quire	d, Di	isposed o	of, or Be	neficia	lly Owne	d					
1. Title of Security (Instr. 3)		2. Transaction Date (Month/Day/Year)		Execution Date,		3. Transaction Code (Instr. 8)		4. Securities Acquired (A) o Disposed Of (D) (Instr. 3, 4 a			Benefic Owned	ies ially Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)		7. Nature of Indirect Beneficial Ownership					
							Code	v	Amount	(A) or (D)	Price		ted action(s) 3 and 4)			(Instr. 4)				
Common Stock			02/27/2024					M		1,667	A	\$0.0	5	5,737		D				
Common Stock			02/28/2024				S ⁽¹⁾		216	D	\$154.54	J ⁽²⁾ 5	5,521		D					
Common	ommon Stock		02/28/2024					S ⁽¹⁾		170	D	\$155.45	5(3) 5	5,351		D				
Common	Stock			02/28/	2024				S ⁽¹⁾		100	D	\$156.38	5 (4)	5,251 D		D			
Common	Common Stock			02/28/2024				S ⁽¹⁾		14	D	\$157.3	(5) 5	5,237		D				
Common	ommon Stock 02/28/			2024	024			S ⁽¹⁾		1	D	\$158.0	9 5	5,236		D				
		7	able II								posed of converti			/ Owned						
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	if any	med on Date, Day/Year)	4. Transa Code (8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Expirat (Month	ion Da		7. Title an Amount of Securities Underlyin Derivative (Instr. 3 a	of s ng e Security	8. Price of Derivative Security (Instr. 5)	9. Number derivative Securities Beneficiall Owned Following Reported Transactio (Instr. 4)	i C	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirec Beneficial Ownershi (Instr. 4)		
					Code	v	(A)	(D)	Date Exercis	isable	Expiration Date	Title	Amount or Number of Shares							
Restricted	(6)	02/27/2024			١., ١				(7)		(7)	Common	1.667				ъ.			

Explanation of Responses:

Units

- 1. Represents shares automatically sold by the Company on behalf of the reporting person pursuant to a mandatory sell-to-cover provision in the award agreement required to cover minimum statutory tax withholding obligations that became due upon the vesting and settlement of restricted stock units reported in this form.
- 2. The price reported represents the weighted average sales price of shares sold in multiple transactions at prices ranging from \$153.94 to \$154.94. The reporting person will provide to the issuer, any security holder of the issuer or the SEC staff, upon request, information regarding the number of shares sold at each price within the range
- 3. The price reported represents the weighted average sales price of shares sold in multiple transactions at prices ranging from \$154.95 to \$155.95. The reporting person will provide to the issuer, any security holder of the issuer or the SEC staff, upon request, information regarding the number of shares sold at each price within the range
- 4. The price reported represents the weighted average sales price of shares sold in multiple transactions at prices ranging from \$155.96 to \$156.91. The reporting person will provide to the issuer, any security holder of the issuer or the SEC staff, upon request, information regarding the number of shares sold at each price within the range
- 5. The price reported represents the weighted average sales price of shares sold in multiple transactions at prices ranging from \$157.01 to \$157.99. The reporting person will provide to the issuer, any security holder of the issuer or the SEC staff, upon request, information regarding the number of shares sold at each price within the range
- 6. Each restricted stock unit represents a contingent right to receive one share of ALNY common stock.
- 7. On February 27, 2023, the reporting person was granted 5,000 restricted stock units that vest ratably on each of the first, second and third anniversaries of the Grant Date. On February 27, 2024, the first tranche of restricted stock units from the February 27, 2023 grant vested and was released, as reported on this Form 4.

By: Stephen Hall, Attorney-in-02/29/2024 Fact For: Tolga Tanguler

** 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.