SEC Form 4	
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FORM 4

obligations may continue. See

Check this box if no longer subject to Section 16. Form 4 or Form 5

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT	OF	CHANGES	IN BENEF	ICIAL	OWNERSHIP
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OMB Number: 3235-0287 Estimated average burden hours per response: 0.5

OMB APPROVAL

Instruction 1(b).			Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934		L				
			or Section 30(h) of the Investment Company Act of 1940						
1. Name and Addre Poulton Jeffre	1 0	Person*	2. Issuer Name and Ticker or Trading Symbol <u>ALNYLAM PHARMACEUTICALS, INC.</u> [ALNY]		ationship of Re all applicable Director Officer (give below))	n(s) to Issuer 10% Owner Other (specify below)		
(Last)	(First)	(Middle)	3. Date of Earliest Transaction (Month/Day/Year)		,	hief Financial	,		
675 WEST KEN	NDALL STRI	EET	02/27/2024				i Ollicci		
HENRI A. TER	MEER SQUA	ARE	4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Individual or Join Line)	vidual or Joint/0	ual or Joint/Group Filing (Check Applicabl			
(0)				X	Form filed b	y One Report	ing Person		
(Street) CAMBRIDGE	MA	02142			Form filed b Person	y More than C	One Reporting		
(City)	(State)	(Zip)	Rule 10b5-1(c) Transaction Indication						
			Check this box to indicate that a transaction was made pursuant to satisfy the affirmative defense conditions of Rule 10b5-1(c). See In:			written plan tha	t is intended to		

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially 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 Reported	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code	v	Amount	(A) or (D)	Price	Transaction(s) (Instr. 3 and 4)		(11150.4)
Common Stock	02/27/2024		М		1,908	Α	\$0.0	20,052	D	
Common Stock	02/28/2024		S ⁽¹⁾		247	D	\$ 154.54 ⁽²⁾	19,805	D	
Common Stock	02/28/2024		S ⁽¹⁾		194	D	\$ 155.45 ⁽³⁾	19,611	D	
Common Stock	02/28/2024		S ⁽¹⁾		115	D	\$156.38(4)	19,496	D	
Common Stock	02/28/2024		S ⁽¹⁾		17	D	\$157.3 ⁽⁵⁾	19,479	D	
Common Stock	02/28/2024		S ⁽¹⁾		1	D	\$158.09	19,478	D	
Common Stock								57	Ι	by Managed Account ⁽⁶⁾

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)		of		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				
Restricted Stock Units	(7)	02/27/2024		М			1,908	(8)	(8)	Common Stock	1,908	\$0.0	3,816	D	

Explanation of Responses:

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. Reflects shares of ALNY common stock acquired by the reporting person under the issuer 401(k) plan as a result of the issuer 401(k) matching contribution program.

7. Each restricted stock unit represents a contingent right to receive one share of ALNY common stock.

8. On February 27, 2023, the reporting person was granted 5,724 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.

<u>By: Stephen Hall, Attorney-in-</u> <u>Fact For: Jeffrey V. Poulton</u> <u>0</u>

<u>02/29/2024</u>

** 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.