FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington,	DC	20549
vvasi ii iytori,	D.C.	20349

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL									
OMB Number:	3235-0287								
Estimated average b	urden								
hours per response.	0.5								

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 or Section 30(h) of the Investment Company Act of 1940

Name and Address of Reporting Person* Vaishnaw Akshay				<u>A</u>	2. Issuer Name and Ticker or Trading Symbol ALNYLAM PHARMACEUTICALS, INC. [ALNY]						<u></u> (Ch	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner Officer (give title Other (specify				
(Last) (First) (Middle) 675 WEST KENDALL STREET HENRI A. TERMEER SQUARE			3. Date of Earliest Transaction (Month/Day/Year) 12/31/2021							President below)						
(Street) CAMBR (City)			02142 (Zip)		4.1	4. If Amendment, Date of Original Filed (Month/Day/Year) 6. Indi Line) X						e) <mark>X</mark> Form fi Form fi	lividual or Joint/Group Filing (Check Applicable Form filed by One Reporting Person Form filed by More than One Reporting Person			
	Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned															
1. Title of Security (Instr. 3) 2. Transa Date (Month/D.				Execution Date,		Code (Inst	Transaction Disposed Of (D) (Instr. 3, 2) Code (Instr. 5)			5. Amour Securitie Beneficia Owned F	s ally following	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	Transact (Instr. 3 a	ion(s)		(insti. 4)			
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 Da if any (Month/Day/	ate, Ti	e, Transaction of Code (Instr. De Ac		of Ex		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amoun 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 (Instr. 4)	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership (Instr. 4)
				С	Code	v	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
Stock Option (right to buy)	\$169.58	12/31/2021			A		22,380		(1)	12/30/2031	Common Stock	22,380	\$0.0	22,380	D	

Explanation of Responses:

1. The stock option vests as to 25% of the shares on the 1st anniversary of the date of the stock option grant and as to an additional 6.25% of the shares each successive three month period thereafter.

By: /s/ Mary Beth DeLena,

Attorney-in-Fact For: Akshay 01/04/2022

K. Vaishnaw

** 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.