FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OWB APPROVAL									
OMB Number:	3235-0287								
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0.5

hours per response:

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(b) of the Investment Company Act of 1940

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1. Name and Address of Reporting Person* KEATING LAURIE				2. Issuer Name and Ticker or Trading Symbol ALNYLAM PHARMACEUTICALS, INC. ALNY								5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner						
	75 WEST KENDALL STREET			3. Date of Earliest Transaction (Month/Day/Year) 12/23/2019								X Officer (give title below) Other (specify below) EVP, Chief Legal Officer						
HENRI A. TERMEER SQUARE					A If Amondment Date of Original Elical (Associations)								C to dividual and him to come Filters (Obserts C. F. 11)					
(Street) CAMBRIDGE MA 02142					4. If Amendment, Date of Original Filed (Month/Day/Year)								Individual or Joint/Group Filing (Check Applicable Line) X Form filed by One Reporting Person Form filed by More than One Reporting Person					
(City)	(Sta	te) (Z	Zip)															
		Table	e I - Non-D	Deriva	tive	Sec	urities	Acc	nuired. D	isnose	d o	f. or Ber	neficia	lly Owr	ed			
1. Title of Security (Instr. 3) 2. Transa Date (Month/D					action 2A. Deemed Execution Date,			d Date,	3. Transaction Disposed Of (D) (Instr. 3, Code (Instr. 5)				d (A) or	5. Ar d Secu Bene	ount of rities ficially ed Following	Form (D) o	orm: Direct) or Indirect (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
								Code V	Amo	unt	(A) or Price		Tran	action(s) . 3 and 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		3A. Deemed Execution Date, if any (Month/Day/Year)	ate, T	4. Transactic Code (Inst 8)		on of		6. Date Exercisable and Expiration Date (Month/Day/Year)			7. Title and Amount of Securities Underlying Derivative Securit (Instr. 3 and 4)		8. Price Derivat Securit (Instr. !	ve derivativ / Securiti	re es ially ng d tion(s)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership t (Instr. 4)
					Code	v	(A)	(D)	Date Exercisable	Expirat Date	tion	Title	Amoun or Numbe of Shares	r				
Performance Stock Option 2017 (right to buy)	\$119.13	12/23/2019			A ⁽¹⁾		4,583		12/23/2019	03/01/2	2028	Common Stock	4,583	\$0.0	9,10	56	D	

Explanation of Responses:

1. On March 1, 2018, the reporting person was granted a performance based stock option to purchase shares of ALNY common stock. One third of the shares subject to the option vest upon the achievement of each of three specific clinical development, regulatory or commercial events, as approved by our compensation committee. The compensation committee of the Company determined that the second performance criterion was met and the option vested as to the second one third of the shares as of December 23, 2019.

By: /s/ Mary Beth DeLena, Attorney-in-Fact For: Laurie

12/26/2019

Keating

** 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.