KEATING LAURIE

Form 4

December 21, 2017

FORM 4 UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

OMB APPROVAL

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

SECURITIES Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934,

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

obligations Section 17(a) of the Public Utility Holding Company Act of 1935 or Section may continue. 30(h) of the Investment Company Act of 1940 See Instruction

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person ** KEATING LAURIE			2. Issuer Name and Ticker or Trading Symbol	5. Relationship of Reporting Person(s) to Issuer		
			ALNYLAM PHARMACEUTICALS, INC.	(Check all applicable)		
			[ALKS]	Director 10% Owner		
(Last)	(First)	(Middle)	3. Date of Earliest Transaction (Month/Day/Year)	_X_ Officer (give title Other (specify below)		
300 THIRD STREET			12/20/2017	SVP, GC & Secretary		
	(Street)		4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Check		
CAMPDIDO	SE MA 021	42	Filed(Month/Day/Year)	Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting		

CAMBRIDGE, MA 02142

(State)

(Zip)

(City)

Tal	ble I - Nor	n-Derivative Securities Acquir	red, Disposed of,	or Beneficial	y Owned
d	3.	4. Securities Acquired (A)	5. Amount of	6.	7. Nature
Date if	Transact	ionor Disposed of (D)	Securities	Ownershin	Indirect

Person

1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	3. Transaction Code (Instr. 8)		sed of	` ′	5. Amount of Securities Beneficially Owned Following	6. Ownership Form: Direct (D) or Indirect	7. Nature of Indirect Beneficial Ownership (Instr. 4)
		Code V	Amount	(A) or (D)	Price	Reported Transaction(s) (Instr. 3 and 4)	(I) (Instr. 4)	
Common Stock	12/20/2017	M(1)	6,249	A	\$ 42.22	17,749	D	
Common Stock	12/20/2017	S <u>(1)</u>	4,049	D	\$ 120.8833 (2)	13,700	D	
Common Stock	12/20/2017	S <u>(1)</u>	1,900	D	\$ 121.6747 (3)	11,800	D	
Common Stock	12/20/2017	S <u>(1)</u>	300	D	\$ 122.5333	11,500	D	

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(4)

Common Stock $257 \qquad I \qquad \begin{array}{c} \text{by} \\ \text{Managed} \\ \text{Account} \\ \hline \text{(5)} \end{array}$

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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 control number.

SEC 1474

(9-02)

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. Transactio Code (Instr. 8)	5. Number on Derivativ Securitie Acquired Disposed (Instr. 3, 5)	ve s l (A) or l of (D)	6. Date Exercis Expiration Dat (Month/Day/Y	e	7. Title and A Underlying S (Instr. 3 and	Secu
				Code V	(A)	(D)	Date Exercisable	Expiration Date	Title	An or Nu of Sh
Performance Based Stock Option 2016 (right to buy)	\$ 42.22	12/20/2017		A <u>(6)</u>	6,250		12/20/2017	12/20/2026	Common Stock	6
Stock Option (right to buy)	\$ 42.22	12/20/2017		M <u>(1)</u>		6,249	<u>(7)</u>	12/20/2026	Common Stock	6

Reporting Owners

Reporting Owner Name / Address	Relationships					
1 0	Director	10% Owner	Officer	Other		
KEATING LAURIE						
300 THIRD STREET			SVP, GC & Secretary			
CAMBRIDGE MA 02142						

Signatures

/s/ Michael P. Mason, Attorney-in-Fact for Laurie
Keating
12/21/2017

**Signature of Reporting Person Date

Reporting Owners 2

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Explanation of Responses:

- * 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).
- (1) All sales reported on this Form 4 were made pursuant to a Rule 10b5-1 trading plan adopted by the reporting person on September 22, 2017.
- (2) Sale prices ranged from \$120.45 to \$121.40.
- (3) Sale prices ranged from \$121.49 to \$122.39.
- (4) Sale prices ranged from \$122.51 to \$122.58.
- (5) The reporting person owns 257 shares of ALNY common stock under the ALNY 401(k) plan as a result of the ALNY 401(k) matching contribution program.
- On December 20, 2016, the reporting person was granted a performance based stock option to purchase shares of ALNY common stock.

 One quarter of the shares subject to the option will vest upon the achievement of each of four specific clinical development, regulatory or commercial events, as approved by our compensation committee. Effective December 20, 2017, the compensation committee of the Company determined the first performance criterion had been met and the option vested as to one-quarter of the shares.
- (7) 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.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.