### ALNYLAM PHARMACEUTICALS, INC.

Form 4

December 02, 2016

Common 11/30/2016

Stock

December (	02, 2016											
FORM 4 UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549									OMB APPROVAL			
									OMMINISSION	OMB Number:	3235-0287	
Check t if no lor	nger	box									January 31, 2005	
subject	to STATE	STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF										
Section Form 4		SECURITIES						burden hour response	rs per 0.5			
Form 5 obligation may con See Inst 1(b).	ons Section 170	(a) of the Pu	ıblic U	Itility F	Iol		npan	y Act of	Act of 1934, 1935 or Section	·		
(Print or Type	Responses)											
Vaishnaw Akshay Symbol ALNY PHAR								5	5. Relationship of Reporting Person(s) to Issuer			
				ALNYLAM PHARMACEUTICALS, INC. [ALNY]					(Check all applicable)  Director 10% Owner			
(Last)	(First) (	Middle) 3	3 Date of Farliest Transaction					Officer (give below)				
				th/Day/Year) 0/2016					EVP, R&D, CMO			
Filed(M				Ionth/Day/Year)					6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting			
CAMBRIL	OGE, MA 02139								Person			
(City)	(State)	(Zip)	Tab	ole I - No	n-l	Derivative	Secui	rities Acqu	ired, Disposed of,	or Beneficial	ly Owned	
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Deany (Month/Day/	ate, if	Code (Instr. 3, 4 and 5)				(D)	Securities Beneficially Owned Following Reported Transaction(s)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
C				Code	V	Amount	(D)	Price	(Instr. 3 and 4)			
Common Stock	11/30/2016			M(1)		29,165	A	\$ 22.75	34,915	D		
Common Stock	11/30/2016			S(1)		14,368	D	(2)	5 20,547	D		
Common Stock	11/30/2016			S <u>(1)</u>		13,297	D	\$ 45.5488 (3)	3 7,250	D		

(3) \$

46.1387

D

1,500

S(1)

D

5,750

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(4)

Common Stock  $223 \qquad I \qquad \begin{array}{c} \text{By} \\ \text{Managed} \\ \text{Account} \\ \text{(5)} \end{array}$ 

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. Transaction Code (Instr. 8)	5. Number of on Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	Expiration Date		7. Title and Amount of Underlying Securities (Instr. 3 and 4)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Stock Option (Right to	\$ 22.75	11/30/2016		M <u>(1)</u>	29,165	<u>(6)</u>	12/14/2016(1)	Common Stock	29,165

# **Reporting Owners**

Reporting Owner Name / Address	Relationships							
• 0	Director	10% Owner	Officer	Other				
Vaishnaw Akshay								
300 THIRD STREET			EVP. R&D. CMO					

### **Signatures**

CAMBRIDGE, MA 02139

Buy)

/s/ Michael P. Mason, Attorney-in-Fact for: Akshay K. Vaishnaw 12/02/2016

\*\*Signature of Reporting Person Date

## **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).

Reporting Owners 2

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- (1) All sales reported on this Form 4 were made pursuant to a Rule 10b5-1 trading plan adopted by the reporting person on February 17, 2016. The 29,165 options exercised and sold by the reporting person were due to expire on December 14, 2016.
- (2) Sale prices ranged from \$43.90 to \$44.86.
- (3) Sale prices ranged from \$44.98 to \$45.95.
- (4) Sale prices ranged from \$45.98 to \$46.80.
- (5) The reporting person owns 223 shares of ALNY common stock under the ALNY 401(k) plan as a result of the ALNY 401(k) matching contribution program.
- (6) 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.