ALNYLAM PHARMACEUTICALS, INC.

Form 4

Stock

12/16/2013

December 18, 2013

OMB APPROVAL UNITED STATES SECURITIES AND EXCHANGE COMMISSION OMB 3235-0287 Washington, D.C. 20549 Number: Check this box January 31, Expires: if no longer 2005 STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF subject to Estimated average **SECURITIES** Section 16. burden hours per Form 4 or response... 0.5 Form 5 Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, 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 * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading Vaishnaw Akshay Issuer Symbol **ALNYLAM** (Check all applicable) PHARMACEUTICALS, INC. [ALNY] Director 10% Owner Other (specify _X__ Officer (give title (Last) (First) (Middle) 3. Date of Earliest Transaction below) below) (Month/Day/Year) EVP, Chief Medical Officer 300 THIRD STREET 12/16/2013 (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check Filed(Month/Day/Year) Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting CAMBRIDGE, MA 02139 Person (Zip) (State) (City) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 1.Title of 2. Transaction Date 2A. Deemed 4. Securities Acquired (A) 5. Amount of 7. Nature of Security (Month/Day/Year) Execution Date, if Transactionor Disposed of (D) Securities Ownership Indirect (Instr. 3) (Instr. 3, 4 and 5) Beneficially Beneficial Code Form: (Instr. 8) Owned Direct (D) Ownership (Month/Day/Year) Following or Indirect (Instr. 4) Reported (A) Transaction(s) (Instr. 4) or (Instr. 3 and 4) Code V Amount (D) Price Common \$ 9.14 12/16/2013 $M^{(1)}$ 3,750 A 16,338 D Stock Common $M^{(1)}$ 12/16/2013 6,250 A \$ 9.3 D 22,588 Stock Common $M_{\underline{1}}^{(1)}$ 12/16/2013 5,000 A \$ 7.1 27,588 D Stock \$ Common $S^{(1)}$ 60.1851 12/16/2013 10,744 D D 16,844

(2)

12,588

D

D

 $S^{(1)}$

4,256

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Common Stock					\$ 60.7776 (3)			
Common Stock	12/17/2013	M(1)	18,480	A	\$ 12.96	31,068	D	
Common Stock	12/17/2013	S <u>(1)</u>	8,500	D	\$ 60.5881 (4)	22,568	D	
Common Stock	12/17/2013	S <u>(1)</u>	9,980	D	\$ 61.399 (5)	12,588	D	
Common Stock						2,615	I	by Managed Account (6)

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

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SEC 1474

(9-02)

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

Dei Sec	Citle of civative urity str. 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 of in Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount Underlying Securitie (Instr. 3 and 4)	
					Code V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amour or Numbor of Sha
Op	ock otion ght to y)	\$ 7.1	12/16/2013		M(1)		5,000	<u>(7)</u>	11/30/2021	Common Stock	5,00
Op	ock otion ght to y)	\$ 9.14	12/16/2013		M <u>(1)</u>		3,750	<u>(7)</u>	12/08/2020	Common Stock	3,75
Op	ock otion ght to y)	\$ 9.3	12/16/2013		M(1)		6,250	<u>(7)</u>	06/09/2021	Common Stock	6,25
Sto	ock	\$ 12.96	12/17/2013		$M_{\underline{1}}$		18,480	<u>(7)</u>	01/02/2016	Common	18,48

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Option Stock (right to buy) Stock Option Common (7) 12/18/2023 \$ 63 12/18/2013 Α 32,500 (right to Stock buy)

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Vaishnaw Akshay 300 THIRD STREET CAMBRIDGE, MA 02139

EVP, Chief Medical Officer

Signatures

/s/ Michael P. Mason, Attorney-in-Fact for Akshay K. Vaishnaw

12/18/2013

**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).
- (1) The sales reported on this Form 4 were made pursuant to a Rule 10b5-1 trading plan.
- (2) Sale prices ranged from \$59.61 to \$60.54.
- (3) Sale prices ranged from \$60.62 to \$61.29.
- (4) Sale prices ranged from \$59.99 to \$60.98.
- (5) Sale prices ranged from \$60.99 to \$61.96.
- (6) The reporting person owns 2,615 shares of ALNY common stock under the ALNY 401(k) plan as a result of the ALNY 401(k) matching contribution program.
- (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.

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