ALNYLAM PHARMACEUTICALS, INC.

Form 4

March 19, 2015

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

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obligations

Check this box

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

Issuer

Vaishnaw Akshay

Symbol **ALNYLAM**

PHARMACEUTICALS, INC.

2. Issuer Name and Ticker or Trading

(Check all applicable)

EVP, R&D, CMO

[ALNY]

(Last) (First) (Middle) 3. Date of Earliest Transaction

(Month/Day/Year)

Director 10% Owner _X__ Officer (give title _ Other (specify below)

03/17/2015

PHARMACEUTICALS, INC., 300

(Street)

(State)

(Zin)

THIRD STREET

(City)

C/O ALNYLAM

4. If Amendment, Date Original

Filed(Month/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

CAMBRIDGE, MA 02139

(City)	(State)	(Zip) Tabl	le I - Non-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 Date, if any (Month/Day/Year)	3. Transactio Code (Instr. 8)	4. Securi on(A) or D (Instr. 3,	ispose 4 and (A) or	d of (D)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
Common Stock	03/17/2015		M(1)	6,250	A	\$ 9.3	6,250	D	
Common Stock	03/17/2015		M <u>(1)</u>	2,500	A	\$ 7.1	8,750	D	
Common Stock	03/17/2015		S(1)	1,224	D	\$ 115.29 (2)	7,526	D	
Common	03/17/2015		S <u>(1)</u>	3,802	D	\$	3,724	D	

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Stock					116.34 (3)			
Common Stock	03/17/2015	S <u>(1)</u>	2,080	D	\$ 117.35 (4)	1,644	D	
Common Stock	03/17/2015	S <u>(1)</u>	1,000	D	\$ 118.16 (5)	644	D	
Common Stock	03/17/2015	S(1)	644	D	\$ 119.38 <u>(6)</u>	0	D	
Common Stock						82	I	By Managed Account

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)

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. Transactic Code (Instr. 8)	5. Number on 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 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 Buy)	\$ 7.1	03/17/2015		M <u>(1)</u>		2,500	(8)	11/30/2021	Common Stock	2,500
Stock Option (Right to Buy)	\$ 9.3	03/17/2015		M <u>(1)</u>		6,250	(8)	06/09/2021	Common Stock	6,250

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Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Vaishnaw Akshay

C/O ALNYLAM PHARMACEUTICALS, INC.

300 THIRD STREET

EVP, R&D, CMO

CAMBRIDGE, MA 02139

Signatures

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

03/19/2015

**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 adopted by the reporting person on August 15, 2013.
- (2) Sale prices ranged from \$114.96 to \$115.81.
- (3) Sale prices ranged from \$115.96 to \$116.95.
- (4) Sale prices ranged from \$116.97 to \$117.72.
- (5) Sale prices ranged from \$117.98 to \$118.97.
- (6) Sale prices ranged from \$118.99 to \$119.98.
- (7) The reporting person owns 82 shares of ALNY common stock under the ALNY 401(k) plan as a result of the ALNY 401(k) matching contribution program.
- (8) The stock option vests as to 25% of the shares on the first anniversary of the grant date 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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