ALNYLAM PHARMACEUTICALS, INC.

Form 4

September 17, 2014

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

OMB APPROVAL

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

Check this box

obligations may continue. See Instruction

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 30(h) of the Investment Company Act of 1940

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * Vaishnaw Akshay			2. Issuer Name and Ticker or Trading Symbol	5. Relationship of Reporting Person(s) to Issuer			
			ALNYLAM PHARMACEUTICALS, INC.	(Check all applicable)			
			[ALNY]	Director 10% Owner			
(Last)	(First)	(First) (Middle) 3. Date of Earliest Transaction (Month/Day/Year)		X Officer (give title Other (specify below)			
300 THIRD STREET (Street)			09/16/2014	Lvi, Cinci Wicdicai Officci			
			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			
CAMBRIDO	GE, MA 021	39		Form filed by More than One Reporting Person			

(State)

(Zip)

(City)

Table I Man Daviva	tire Committee Acc	wined Disposed of	or Reneficially Owned

` •	· · ·	Tab	ie 1 - Noii-i	Derivative	Secu	riues Acqui	rea, Disposea oi,	or benefician	y Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	ion Date 2A. Deemed		4. Securities Acquired (A) nor Disposed of (D) (Instr. 3, 4 and 5) (A) or		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	09/16/2014		Code V M(1)	Amount 1,875	(D)	Price \$ 9.14	1,875	D	
Common Stock	09/16/2014		M <u>(1)</u>	6,250	A	\$ 9.3	8,125	D	
Common Stock	09/16/2014		M(1)	2,500	A	\$ 7.1	10,625	D	
Common Stock	09/16/2014		S(1)	3,200	D	\$ 71.3359 (2)	7,425	D	
	09/16/2014		S(1)	6,625	D		800	D	

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Common Stock					\$ 72.2666 (3)			
Common Stock	09/16/2014	S(1)	800	D	\$ 73.0275	0	D	
Common Stock						71	I	By Managed Account
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)

 ${\bf Table~II~- Derivative~Securities~Acquired, Disposed~of, or~Beneficially~Owned}$ (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 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)		8. l De Sec (In
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
Stock Option (Right to Buy)	\$ 7.1	09/16/2014		M <u>(1)</u>	2,500	<u>(6)</u>	11/30/2021	Common Stock	2,500	
Stock Option (Right to Buy)	\$ 9.14	09/16/2014		M <u>(1)</u>	1,875	<u>(6)</u>	12/08/2020	Commn Stock	1,875	
Stock Option (Right to Buy)	\$ 9.3	09/16/2014		M <u>(1)</u>	6,250	<u>(6)</u>	06/09/2021	Common Stock	6,250	

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

09/17/2014

**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 \$70.73 to \$71.72.
- (3) Sale prices ranged from \$71.75 to \$72.69.
- (4) Sale prices ranged from \$72.78 to \$73.24.
- (5) The reporting person owns 71 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 vested as to 25% of the shares on the 1st anniversary of the date of the stock option grant and vests 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.

Reporting Owners 3