ALNYLAM PHARMACEUTICALS, INC.

Form 4

Common

Stock

November 30, 2015

FORM	N /1							_	PPROVAL	
Washington, D.C. 20549							OMB Number:	3235-0287		
Check the if no long subject to Section 1 Form 4 c Form 5 obligation may con	ger o STATEM 16. Filed pur	MENT OF CHA rsuant to Section (a) of the Public	SECUL 16(a) of th	RITIES ne Securi	ties E	Exchang	ge Act of 1934,	Expires: January 3 200 Estimated average burden hours per response 0		
See Instr 1(b).	uction	30(h) of the	Investmen	t Compai	ny Ao	ct of 194	40			
(Print or Type 1	Responses)									
1. Name and A Vaishnaw A	Address of Reporting Akshay	Symbo ALN	YLAM RMACEUT				5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner			
(Last) C/O ALNY PHARMAC THIRD STI	LAM CEUTICALS, IN	(Month 11/25	of Earliest T /Day/Year) /2015	ransaction			_X_ Officer (give below)	e title Othobelow) P, R&D, CMO	er (specify	
	(Street)		mendment, D Ionth/Day/Yea	_	al		6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person			
CAMBRIDGE, MA 02142							Form filed by More than One Reporting Person			
(City)	(State)	(Zip) Ta	ble I - Non-	Derivative	Secui	rities Acc	quired, Disposed of	f, or Beneficial	ly Owned	
1.Title of Security (Instr. 3)	e 2A. Deemed Execution Date, i any (Month/Day/Year	med 3. 4. Securities Acquired on Date, if Transaction(A) or Disposed of (D) Code (Instr. 3, 4 and 5) Day/Year) (Instr. 8)					6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)		
Common Stock	11/25/2015		Code V	Amount 835	or (D)	Price \$ 22.75	(Instr. 3 and 4) 835	D		
Common Stock	11/25/2015		M	4,915	A	\$ 16.43	5,750	D		

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

By

132

Managed

Account $\underline{^{(1)}}$

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SEC 1474 (9-02)

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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 of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		6. Date Exerc Expiration D (Month/Day/	ate	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)	\$ 16.43	11/25/2015		M		4,915	(2)	12/09/2019	Common Stock	4,915	
Stock Option (Right to Buy)	\$ 22.75	11/25/2015		M		835	(2)	12/13/2016	Common Stock	835	

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Vaishnaw Akshay

C/O ALNYLAM PHARMACEUTICALS, INC.

EVP, R&D, CMO

300 THIRD STREET CAMBRIDGE, MA 02142

Signatures

/s/ Michael Mason, Attorney-in-Fact for: Akshay K. Vaishnaw 11/30/2015

**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)

Reporting Owners 2

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The reporting person owns 132 shares of ALNY common stock under the ALNY 401(k) plan as a result of the ALNY 401(k) matching contribution program.

(2) 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.