ALNYLAM PHARMACEUTICALS, INC.

Form 4

September 12, 2013

Form 4 or

obligations

Form 5

FORM 4		_	PPROVAL
_	UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549	OMB Number:	3235-0287
Check this box if no longer	STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF	Expires:	January 31, 2005
subject to Section 16.	SECURITIES SECURITIES	Estimated a burden hou	

SECURITIES 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 * MARAGANORE JOHN	2. Issuer Name and Ticker or Trading Symbol ALNYLAM PHARMACEUTICALS, INC. [ALNY]	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)		
(Last) (First) (Middle) C/O ALNYLAM PHARMACEUTICALS, INC., 300 THIRD STREET	3. Date of Earliest Transaction (Month/Day/Year) 09/11/2013	X Director 10% Owner X Officer (give title Other (specify below) below) Chief Executive Officer		
(Street)	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		
CAMBRIDGE, MA 02142		Form filed by More than One Reporting Person		

(City) (State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

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1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securit onor Dispos (Instr. 3,	ed of	` ′	5. Amount of Securities Beneficially Owned Following	6. Ownership Form: Direct (D) or Indirect	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code V	Amount	(A) or (D)	Price	Reported Transaction(s) (Instr. 3 and 4)	(I) (Instr. 4)	(msu: 1)
Common Stock	09/11/2013		M <u>(1)</u>	13,684	A	\$ 0.95	32,301	D	
Common Stock	09/11/2013		M(1)	45,263	A	\$ 0.95	77,564	D	
Common Stock	09/11/2013		S <u>(1)</u>	54,047	D	\$ 55.4097 (2)	23,517	D	
Common	09/11/2013		S(1)	3,800	D	\$	19,717	D	

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Stock					56.3342 (3)			
Common Stock	09/11/2013	S <u>(1)</u>	1,100	D	\$ 57.0236 (4)	18,617	D	
Common Stock						2,605	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. Transactio Code (Instr. 8)	5. Number of on Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exerc Expiration D (Month/Day/	ate	7. Title and A Underlying S (Instr. 3 and	Securities
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Stock Option (Right to Buy)	\$ 0.95	09/11/2013		M <u>(1)</u>	13,684	<u>(6)</u>	01/06/2014(1)	Common Stock	13,684
Stock Option (Right to Buy)	\$ 0.95	09/11/2013		M(1)	45,263	<u>(7)</u>	01/06/2014(1)	Common Stock	45,263

Reporting Owners

Reporting Owner Name / Address		Keiationsnips					
	Director	10% Owner	Officer	Other			
MARAGANORE JOHN C/O ALNYLAM PHARMACEUTICALS, INC. 300 THIRD STREET CAMBRIDGE, MA 02142	X		Chief Executive Officer				

Reporting Owners 2

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Signatures

/s/ Michael P. Mason, Attorney-in-Fact For: John M. Maraganore

09/12/2013

**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 adopted by the reporting person on November 29, 2012. The options exercised and sold by the reporting person were due to expire on January 6, 2014.
- (2) Sale prices ranged from \$54.96 to \$55.94.
- (3) Sale prices ranged from \$55.98 to \$56.91.
- (4) Sale prices ranged from \$56.99 to \$57.12.
- (5) The reporting person owns 2,605 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 first anniversary of the stock option grant date and as to an additional 6.25% of the shares each successive three month period thereafter.
- (7) The stock option vested upon the closing of the initial public offering of common stock by the issuer.

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.

Signatures 3