

ALNYLAM PHARMACEUTICALS, INC.

Form 4

September 19, 2014

**FORM 4**

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

OMB APPROVAL

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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF 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 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person \*  
MARAGANORE JOHN

(Last) (First) (Middle)

C/O ALNYLAM  
PHARMACEUTICALS, INC., 300  
THIRD STREET

(Street)

CAMBRIDGE, MA 02142

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol  
ALNYLAM  
PHARMACEUTICALS, INC.  
[ALNY]

3. Date of Earliest Transaction  
(Month/Day/Year)  
09/17/2014

4. If Amendment, Date Original Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

Director  10% Owner  
 Officer (give title below)  Other (specify below)  
Chief Executive Officer

6. Individual or Joint/Group Filing(Check Applicable Line)

Form filed by One Reporting Person  
 Form filed by More than One Reporting Person

**Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned**

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. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	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 Ownership (Instr. 4)
			Code	V Amount (A) or (D) Price			
Common Stock	05/23/2014		G	V 1,700 D \$ 0	104,620	D	
Common Stock	09/17/2014		M <sup>(1)</sup>	56,834 A \$ 7.47	161,454	D	
Common Stock	09/17/2014		S <sup>(1)</sup>	3,400 D \$ 74.736 <sup>(2)</sup>	158,054	D	
Common Stock	09/17/2014		S <sup>(1)</sup>	13,899 D \$ 75.6452	144,155	D	

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					(3)			
Common Stock	09/17/2014	S <sup>(1)</sup>	23,286	D	\$ 76.5403	120,869	D	
Common Stock	09/17/2014	S <sup>(1)</sup>	15,849	D	\$ 77.7144	105,020	D	
Common Stock	09/17/2014	S <sup>(1)</sup>	400	D	\$ 78.1044	104,620	D	
Common Stock	09/18/2014	M <sup>(1)</sup>	56,834	A	\$ 7.47	161,454	D	
Common Stock	09/18/2014	S <sup>(1)</sup>	18,962	D	\$ 78.118	142,492	D	
Common Stock	09/18/2014	S <sup>(1)</sup>	37,872	D	\$ 79.2287	104,620	D	
Common Stock						2,689	I	By Managed Account <sup>(9)</sup>

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

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(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. Transaction Code (Instr. 8)	5. Number of 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)	Amount or Number of Shares
Stock Option (Right to Buy)	\$ 7.47	09/17/2014		M <sup>(1)</sup>	56,834	12/21/2005 12/21/2014 <sup>(1)</sup>	Common Stock	56,834

Stock  
 Option (Right to Buy) \$ 7.47 09/18/2014 M<sup>(1)</sup> 56,834 12/21/2005 12/21/2014<sup>(1)</sup> Common Stock 56,834

## Reporting Owners

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

## Signatures

/s/ Michael P. Mason, Attorney-in-Fact for John M. Maraganore 09/19/2014

\_\_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 February 19, 2014. The options exercised and sold by the Reporting Person were due to expire on December 21, 2014.
- (2) Sale prices ranged from \$74.08 to \$75.06.
- (3) Sale prices ranged from \$75.11 to \$76.06.
- (4) Sale prices ranged from \$76.11 to \$77.03.
- (5) Sale prices ranged from \$77.08 to \$78.075.
- (6) Sale prices ranged from \$78.09 to \$78.12.
- (7) Sale prices ranged from \$77.77 to \$78.76.
- (8) Sale prices ranged from \$78.78 to \$79.71.
- (9) The Reporting Person owns 2,689 shares of ALNY common stock under the ALNY 401(k) plan as a result of the ALNY 401(k) matching contribution program.

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.