ALNYLAM PHARMACEUTICALS, INC.

Form 4

August 16, 2013

FORM 4

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

OMB 3235-0287 Number:

Estimated average

Check this box if no longer subject to Section 16.

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

January 31, Expires: 2005

OMB APPROVAL

Form 4 or Form 5 obligations may continue.

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

burden hours per response... 0.5

See Instruction

30(h) of the Investment Company Act of 1940

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person *

2. Issuer Name and Ticker or Trading

5. Relationship of Reporting Person(s) to Issuer

MARAGANORE JOHN

Symbol **ALNYLAM**

(Check all applicable)

PHARMACEUTICALS, INC.

[ALNY]

X Director

10% Owner

3. Date of Earliest Transaction

X_ Officer (give title _ below)

_ Other (specify

(Month/Day/Year) C/O ALNYLAM

(Middle)

08/14/2013

Chief Executive Officer

PHARMACEUTICALS, INC., 300

(Street)

(First)

THIRD STREET

(Last)

4. If Amendment, Date Original

Applicable Line)

Filed(Month/Day/Year)

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

6. Individual or Joint/Group Filing(Check

CAMBRIDGE, MA 02142

(City)	(State)	(Zip) Tab	le I - Non-l	ed, 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. Transactio Code (Instr. 8)	4. Securition Dispose (Instr. 3, 4)	ed of (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	08/14/2013		M(1)	60,000	A	\$ 0.95	78,617	D	
Common Stock	08/14/2013		S <u>(1)</u>	19,763	D	\$ 48.7749 (2)	58,854	D	
Common Stock	08/14/2013		S <u>(1)</u>	40,237	D	\$ 49.064 (3)	18,617	D	
Common							2,605	I	Ву

Stock Managed Account

(4)

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)

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 onDerivative 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)	\$ 0.95	08/14/2013		M <u>(1)</u>	60,000	<u>(5)</u>	01/06/2014(1)	Common Stock	60,000

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

MARAGANORE JOHN

C/O ALNYLAM PHARMACEUTICALS, INC. 300 THIRD STREET

X

Chief Executive Officer

CAMBRIDGE, MA 02142

Signatures

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

08/16/2013

**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.

Reporting Owners 2

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- (2) Sale prices ranged from \$47.95 to \$48.94.
- (3) Sale prices ranged from \$48.95 to \$49.39.
- (4) 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.
- (5) 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.