ALNYLAM PHARMACEUTICALS, INC.

Form 4 May 28, 2015

FORM 4

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

OMB 3235-0287 Number: January 31,

Expires:

OMB APPROVAL

Check this box if no longer subject to Section 16. Form 4 or

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

2005 Estimated average burden hours per response... 0.5

Form 5 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

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading Greene Barry E Issuer Symbol **ALNYLAM** (Check all applicable) PHARMACEUTICALS, INC. [ALNY] Director 10% Owner X_ Officer (give title Other (specify (Last) (First) (Middle) 3. Date of Earliest Transaction below)

C/O ALNYLAM PHARMACEUTICALS, INC, 300

THIRD STREET

(Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check Applicable Line)

Filed(Month/Day/Year)

(Month/Day/Year)

05/26/2015

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

President and COO

CAMBRIDGE, MA 02142

(City)	(State)	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. Securit on(A) or Di (Instr. 3,	sposed	of (D)	5. Amount of Securities Beneficially Owned Following	6. Ownership Form: Direct (D) or Indirect (I)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
			Code V	Amount	(A) or (D)	Price	Reported Transaction(s) (Instr. 3 and 4)	(Instr. 4)		
Common Stock	05/26/2015		M(1)	67,379	A	\$ 13.12	90,771	D		
Common Stock	05/26/2015		S(1)	67,379	D	\$ 125	23,392	D		
Common Stock							2,591	I	By Managed Account	

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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 Deriva Securit (Instr.	tive ty	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 stionDerivative Securities b) 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 Optio (Righ Buy)	n	\$ 13.12	05/26/2015		M <u>(1)</u>	67,3	379	(3)	12/07/2015(1)	Common Stock	67,379

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Greene Barry E

C/O ALNYLAM PHARMACEUTICALS, INC
300 THIRD STREET

President
and COO

CAMBRIDGE, MA 02142

Signatures

/s/ Michael P. Mason, Attorney-in-Fact for: Barry E.

Greene 05/28/2015

**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) The sales reported on this Form 4 were made pursuant to a Rule 10b5-1 trading plan adopted by the reporting person on February 18, 2015. The options exercised and sold by the reporting person were due to expire on December 7, 2015.
- (2) The reporting person owns 2,591 shares of ALNY common stock under the ALNY 401(k) plan as a result of the ALNY 401(k) matching contribution program.
- (3) The stock option vested as to 25% of the shares on the first anniversary of the date of the stock option grant and as to an additional 6.25% of the shares each successive three month period thereafter.

Reporting Owners 2

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