

ALNYLAM PHARMACEUTICALS, INC.

Form 4

March 28, 2016

**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 \*  
Greene Barry E

(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)  
03/24/2016

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)  
President and COO

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 Ownership (Instr. 4) |
|---------------------------------|--------------------------------------|----------------------------------------------------|--------------------------------|-------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|----------------------------------------------------------|-----------------------------------|
| Common Stock                    | 03/24/2016                           |                                                    | M                              | 8,940 A                                                           | \$ 9.14 57,204                                                                                | D                                                        |                                   |
| Common Stock                    | 03/24/2016                           |                                                    | M                              | 7,600 A                                                           | \$ 7.1 64,804                                                                                 | D                                                        |                                   |
| Common Stock                    |                                      |                                                    |                                |                                                                   | 2,621                                                                                         | I                                                        | By Managed Account <sup>(1)</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 (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) | 8. Amount or Number of Shares |
|--------------------------------------------|--------------------------------------------------------|--------------------------------------|----------------------------------------------------|--------------------------------|--------------------------------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------------|-------------------------------|
| Stock Option (Right to Buy)                | \$ 7.1                                                 | 03/24/2016                           |                                                    | M                              | 7,600                                                                          | <u>(2)</u> 11/30/2021                                    | Common Stock                                                  | 7,600                         |
| Stock Option (Right to Buy)                | \$ 9.14                                                | 03/24/2016                           |                                                    | M                              | 8,940                                                                          | <u>(2)</u> 12/08/2020                                    | Common Stock                                                  | 8,940                         |

## Reporting Owners

| Reporting Owner Name / Address                                                                | Relationships |           |                      |       |
|-----------------------------------------------------------------------------------------------|---------------|-----------|----------------------|-------|
|                                                                                               | Director      | 10% Owner | Officer              | Other |
| Greene Barry E<br>C/O ALNYLAM PHARMACEUTICALS, INC<br>300 THIRD STREET<br>CAMBRIDGE, MA 02142 |               |           | President<br>and COO |       |

## Signatures

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

03/28/2016

\_\_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)

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The reporting person owns 2,621 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.

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