

Greenstreet Yvonne  
Form 4  
March 28, 2018

**FORM 4**

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

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

## OMB APPROVAL

OMB  
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response... 0.5

(Print or Type Responses)

1. Name and Address of Reporting Person \*  
Greenstreet Yvonne

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

5. Relationship of Reporting Person(s) to  
Issuer

(Check all applicable)

\_\_\_\_ Director      \_\_\_\_ 10% Owner  
☒ Officer (give title below)      \_\_\_\_ Other (specify below)

EVP, Chief Operating Officer

(Last)      (First)      (Middle)  
  
300 THIRD STREET  
  
(Street)

3. Date of Earliest Transaction  
(Month/Day/Year)  
03/26/2018

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

6. Individual or Joint/Group Filing(Check  
Applicable Line)  
☒ Form filed by One Reporting Person  
\_\_\_\_ Form filed by More than One Reporting  
Person

CAMBRIDGE, MA 02142

(City)      (State)      (Zip)

**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 Beneficial Ownership (Instr. 4)
Common Stock	03/26/2018		M <sup>(1)</sup>	7,221	A \$ 42.22	7,221	D
Common Stock	03/26/2018		S <sup>(1)</sup>	4,308	D \$ 136 <sup>(2)</sup>	2,913	D
Common Stock	03/26/2018		S <sup>(1)</sup>	2,394	D \$ 137.09 <sup>(3)</sup>	519	D
Common Stock	03/26/2018		S <sup>(1)</sup>	419	D \$ 137.78 <sup>(4)</sup>	100	D

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Common Stock	03/26/2018	S <sup>(1)</sup>	100	D	\$ 141.47	0	D	
Common Stock	03/26/2018	J <sup>(5)</sup>	233	A	\$ 0 <sup>(5)</sup>	233	I	by Managed Account <sup>(5)</sup>

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.**

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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)	\$ 42.22	03/26/2018		M <sup>(1)</sup>	7,221	<sup>(6)</sup> 12/20/2026	Common Stock	7,221

## Reporting Owners

Reporting Owner Name / Address	Relationships
Greenstreet Yvonne 300 THIRD STREET CAMBRIDGE, MA 02142	Director 10% Owner Officer Other EVP, Chief Operating Officer

## Signatures

By: /s/ Michael P. Mason, Attorney-in-Fact For: Yvonne Greenstreet 03/28/2018

                    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) All sales reported on this Form 4 were made pursuant to a Rule 10b5-1 trading plan adopted by the reporting person on January 17, 2018.
- (2) Sales prices ranged from \$135.53 to \$136.51.
- (3) Sales prices ranged from \$136.61 to \$137.58.
- (4) Sales prices ranged from \$137.68 to \$137.99.
- (5) Reflects shares of ALNY common stock acquired by the reporting person under the ALNY 401(k) plan as a result of the ALNY 401(k) matching contribution program.
- (6) The stock option vests as to 25% of the shares on the 1st 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.

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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