SEC Form 4
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Instruction 1(b)

## FORM 4

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549 STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934

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		T lied	or Section 30(h) of the Investment Company Act of 1940				
1. Name and Address of Reporting Person* Greenstreet Yvonne			2. Issuer Name and Ticker or Trading Symbol <u>ALNYLAM PHARMACEUTICALS</u> , <u>INC.</u> [ ALNY ]		tionship of Reporting Pe all applicable) Director Officer (give title below)	rson(s) to Issuer 10% Owner Other (specify below)	
(Last) (First) 675 WEST KENDALL STREET HENRI A. TERMEER SQUARE		(Middle)	3. Date of Earliest Transaction (Month/Day/Year) 12/21/2021		President & COO		
(Street)	MA	02142	4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Indiv Line) X	idual or Joint/Group Filin Form filed by One Rep Form filed by More tha Person	orting Person	
(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	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership
			Code	v	Amount	(A) or (D)	Price	Transaction(s) (Instr. 3 and 4)		(Instr. 4)
Common Stock	12/21/2021		A <sup>(1)</sup>		5,417	A	\$0.0	16,440	D	
Common Stock	12/22/2021		F <sup>(2)</sup>		2,415	D	\$189.13	14,025	D	
Common Stock	12/22/2021		F <sup>(2)</sup>		1	D	\$190.96	14,024	D	
Common Stock	12/22/2021		F <sup>(2)</sup>		122	D	\$186.55	13,902	D	
Common Stock								407	I	by Managed Account <sup>(3)</sup>

## 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. Transa Code ( 8)		of Deriv Secu Acqu (A) of Dispo of (D) (Instr	Derivative (Month/Day/Year) Securities Acquired A) or Disposed		ite	7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	v	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				

Explanation of Responses:

1. On February 28, 2019, the reporting person was granted performance-based restricted stock units (PSU) in connection with the 2018 year-end compensation review. One third of the PSU award vests upon the achievement of each of three specific clinical development, regulatory or commercial events. The People, Culture and Compensation Committee of the Board determined that the final performance criterion was met and the final one-third of the PSU award vested as of December 21, 2021.

2. Represents shares automatically sold by the Company on behalf of the reporting person pursuant to a mandatory sell-to-cover provision in the PSU award agreement required to cover minimum statutory tax withholding obligations that became due upon the vesting event.

3. 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.

<u>By: /s/ Mary Beth DeLena,</u> <u>Attorney-in-Fact For: Yvonne</u> <u>12/23/2021</u> <u>Greenstreet</u>

\*\* Signature of Reporting Person Date

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

\* 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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

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 Number.