FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

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

OMB APPROVAL									
OMB Number:	3235-0287								
Estimated average burden									
hours per response:	0.5								

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

Name and Address of Reporting Person* BONNEY MICHAEL W				<u>A</u>	2. Issuer Name and Ticker or Trading Symbol ALNYLAM PHARMACEUTICALS, INC. [ALNY]								neck all X [II applic Directo	able)	g Pers	10% Ov Other (s below)	ner	
	ST KENDA	LL STREET	(Middle)			3. Date of Earliest Transaction (Month/Day/Year) 07/15/2021									bclowy			bclow)	
HENRI A. TERMEER SQUARE				4.1	4. If Amendment, Date of Original Filed (Month/Day/Year)								6. Individual or Joint/Group Filing (Check Applicable Line)						
(Street)	IDGE M	A	02142		_											filed by One Reporting Pers filed by More than One Rep on			
(City)	(Si	ate)	(Zip)																
	Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																		
1. Title of Security (Instr. 3) 2. Transa Date (Month/D.					Execution Date,		3. Transaction Code (Instr. 8) 4. Securities Acquired (A) Disposed Of (D) (Instr. 3, 4) 5)			ed (A) or str. 3, 4 an	4 and Securitie Beneficia		s Fo ally (D) following (I)		orm: Direct	7. Nature of Indirect Beneficial Ownership (Instr. 4)			
								Code	v	Amount	(A) oi (D)	Price	Transact		ion(s)				
	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)		n of E		6. Date Exercisable a Expiration Date Month/Day/Year)			7. Title and Amount of Securities Underlying Derivative Sec (Instr. 3 and 4)		Deriv	8. Price of Derivative Security (Instr. 5)	9. Number derivative Securities Beneficial Owned Following Reported Transactic (Instr. 4)	Owi Fori Dire or li (I) (I	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
					Code	v	(A)		Date Exercisable		Expiration Date	Title	Amount or Number of Shares						
Stock Option (right to buy)	\$171.95	07/15/2021			A		4,032		07/15/2022	(1)	07/14/2031	Common Stock	4,032	\$	0.0	4,032	!	D	

Explanation of Responses:

1. This award vests in full upon the earlier of the first anniversary of the grant date and the date of any earlier retirement or resignation of the Reporting Person, provided such date of retirement or resignation occurs no more than 90 days prior to the first anniversary of the grant date.

By: /s/ Mary Beth DeLena, Attorney-in-Fact For: Michael 07/19/2021 W. Bonney

** 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.