FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

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

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OMB APPROVAL									
OMB Number:	3235-0287								
Estimated average burden									
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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)

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

1. Name and Address of Reporting Person* SHARP PHILLIP A (Last) (First) (Middle) 675 WEST KENDALL STREET HENRI A. TERMEER SQUARE (Street) CAMBRIDGE MA 02142 (City) (State) (Zip)				3. 05	2. Issuer Name and Ticker or Trading Symbol ALNYLAM PHARMACEUTICALS, INC. [ALNY] 3. Date of Earliest Transaction (Month/Day/Year) 05/18/2022 4. If Amendment, Date of Original Filed (Month/Day/Year)							<u>C.</u> (CI	Relationship of Reporting Person(s) to Issuer neck all applicable) X Director 10% Owner Officer (give title below) Individual or Joint/Group Filing (Check Applicable le) X Form filed by One Reporting Person Form filed by More than One Reporting Person					pecify
	Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																	
1. Title of Security (Instr. 3) 2. Trans: Date (Month/E				. Transaction ate Month/Day/Y	ction 2A. Deemed Execution Date,		3. Transac Code (Ir 8)	etion nstr. V	4. Securities Acquired (A) Disposed Of (D) (Instr. 3, 5) Amount (A) or (D)		ed (A) or tr. 3, 4 and	5. Amour Securitie Beneficia Owned Reported Transacti (Instr. 3 a		nt of section (D) of (I) (Indicates)		: Direct r Indirect str. 4)	7. Nature of Indirect Beneficial Ownership Instr. 4)	
1. Title of Derivative Security (Instr. 3) 2. Conversion or Exercise Price of Derivative Security (Instr. 3) 3. Transaction Date (Month/Day/Year) Date (Month/Day/Year) (Month/Day/Year)			te, Trans	action (Instr.	5. Num	, options, convertik 6. Date Exercisable and Expiration Date Month/Day/Year)			7. Title and Amount of Securities Underlying Derivative Securit (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	or Number of Shares						
Stock Option (right to buy)	\$128.31	05/18/2022		A		5,153		05/18/2023 ⁽	1) 0	05/17/2032	Common Stock	5,153	\$0.	0	5,153		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: Phillip

05/20/2022

A. Sharp

** 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.

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