FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington,	D.C.	20549
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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

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

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						2. Issuer Name and Ticker or Trading Symbol ALNYLAM PHARMACEUTICALS, INC. [ALNY]									k all app Direc	tor er (give title		10% O Other (below)	wner	
(Last) (First) (Middle) 675 WEST KENDALL STREET HENRI A. TERMEER SQUARE					3. Date of Earliest Transaction (Month/Day/Year) 12/07/2020								BCIOV			belowy				
(Street) CAMBR (City)	IDGE M	A 0	2142 Zip)		4. If A	4. If Amendment, Date of Original Filed (Month/Day/Year)									Form Form	vidual or Joint/Group Filing (Check Applicable 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. Transac Date (Month/Da	action 2A. Executacy Day/Year) if an		A. Deemed xecution Date,		3. Transaction Code (Instr.		4. Securities Acquired (A Disposed Of (D) (Instr. 3, 5)		A) or 5. Am, 4 and Secur		ies cially Following	Form (D) or	: Direct	7. Nature of Indirect Beneficial Ownership (Instr. 4)		
							Code	v	Amount	(A) (D)	or P	rice	Transa	ction(s) 3 and 4)			(1130.14)			
Common Stock 12/07/2					2020	.020			G	V	235,633	Γ)	\$0.0		0		D		
Common Stock 12/07				12/07/	2020				G V		235,633	A	A \$0.0		266,899			I	by Trust ⁽¹⁾	
	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)	if any	med on Date, Day/Year)		Transaction of Code (Instr. Derivative			Expiration Date (Month/Day/Year) Secu Unde Deriv Secu				mount of ecurities		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4)	y i	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership t (Instr. 4)	
					Code V		(A)	(D)	Date Exercis	Expiration sable Date		Title	Amou or Numb of Share	er						

Explanation of Responses:

1. The 235,633 shares were previously reported as directly beneficially owned. On December 7, 2020, these shares were contributed to the "Phillip A. Sharp Revocable Trust," of which the reporting person and his spouse are co-trustees.

By: /s/ Mary Beth DeLena,

12/22/2020 Attorney-in-Fact For: Phillip

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.

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.