FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL									
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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

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* SHARP PHILIP A					ALN	2. Issuer Name and Ticker or Trading Symbol ALNYLAM PHARMACEUTICALS, INC. [ALNY]									eck all appointed and all all appointed and all all all all all all all all all al	tor		10% O	wner
(Last) 300 THI	(Fi RD STREE	,	Middle)		3. Date of Earliest Tra 03/09/2018					lonth	n/Day/Yea	r)				Officer (give title below)		Other (s	sресіту —
(Street)	IDGE M	Α ()2142		4. If A	4. If Amendment, Date of Original Filed (Month/Day/Year)									Individual or Joint/Group Filing (Check Applicat Line) X Form filed by One Reporting Person Form filed by More than One Reporting Person				
(City)	(Si	tate) (Zip)													on			
	Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																		
1. Title of Security (Instr. 3) 2. Transaci Date (Month/Dat			.	Exec if an	A. Deemed secution Date, any lonth/Day/Year)		Transaction Dispos Code (Instr. and 5)			rities A ed Of (D	cquir)) (Ins	red (A) o str. 3, 4	Secur Benef Owne	icially d	Form (D) o Indir	n: Direct r ect (I)	7. Nature of Indirect Beneficial Ownership		
									Code	v	Amount		A) or D)	Price	Repoi Trans	Following Reported Transaction(s) (Instr. 3 and 4)		r. 4)	(Instr. 4)
Common Stock 03/0					2018				M ⁽¹⁾		15,00	00	A	\$27.2	28 1:	5,795		D	
Common Stock 03/09				03/09/2	2018				S ⁽¹⁾		15,00	00	D	\$12	9 14	10,795		D	
Common Stock														13	26,104			by Trust ⁽²⁾	
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	emed ion Date, /Day/Year)	4. Transaction Code (Instr. 8)		n of		6. Date Ex Expiration (Month/Da	n Dat	te	Amount of			8. Price of Derivative Security (Instr. 5)	9. Number derivative Securities Beneficiall Owned Following Reported Transactio (Instr. 4)	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	0 N	Amount or Number of Shares					
Stock Option (right to buy)	\$27.28	03/09/2018			M ⁽¹⁾			15,000	06/03/200	9 (06/02/2018	Comm		15,000	\$0.0	0		D	

Explanation of Responses:

- 1. The sales reported on this Form 4 were made pursuant to a Rule 10b5-1 trading plan adopted by the reporting person on October 10, 2017.
- 2. The 126,104 shares reported as indirectly owned by trust include: (i) 94,838 shares in the Phillip A. Sharp 2009 Grantor Annuity Trust No. 3, and (ii) 31,266 shares in the Phillip A. Sharp 2008 Grantor Annuity Trust No. 2 (which include shares distributed from the 2010 Trust).

By: /s/ Michael P. Mason, Attorney-in-Fact For: Phillip 03/13/2018 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.