ALNYLAM PHARMACEUTICALS, INC.

Form 4

February 03, 2017

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

OMB 3235-0287 Number:

Check this box if no longer subject to Section 16.

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

January 31, Expires: 2005

0.5

OMB APPROVAL

Form 4 or Form 5 obligations may continue.

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section

burden hours per response...

Estimated average

See Instruction

30(h) of the Investment Company Act of 1940

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * SHARP PHILIP A			2. Issuer Name and Ticker or Trading Symbol	5. Relationship of Reporting Person(s) to Issuer			
	ALNYLAM PHARMACEUTICALS, INC. [ALNY]		PHARMACEUTICALS, INC.	(Check all applicable) _X_ Director 10% Owner			
(Last) 300 THIRD S	(First)	(Middle)	3. Date of Earliest Transaction (Month/Day/Year) 02/01/2017	Officer (give title Dother (specify below)			
	(Street)		4. If Amendment, Date Original Filed(Month/Day/Year)	6. Individual or Joint/Group Filing(Check Applicable Line)			

CAMBRIDGE, MA 02142

X Form filed by One Reporting Person Form filed by More than One Reporting

Person

(City)	(State)	(Zip) Tabl	le I - Non-D	erivative S	Securi	ties Acqu	ired, Disposed of	, or Beneficiall	y Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	saction Date 2A. Deemed		3. 4. Securities Acquired Transaction(A) or Disposed of (D) Code (Instr. 3, 4 and 5) (Instr. 8)			5. Amount of Securities Ownership Form: Direct Owned (D) or Following Indirect (I) Reported (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
			Code V	Amount	or (D)	Price	Transaction(s) (Instr. 3 and 4)		
Common Stock	02/01/2017		M <u>(1)</u>	25,000	A	\$ 31.29	165,795	D	
Common Stock	02/01/2017		S <u>(1)</u>	20,171	D	\$ 39.72 (2)	145,624	D	
Common Stock	02/01/2017		S <u>(1)</u>	4,829	D	\$ 40.16 (3)	140,795	D	
Common Stock							126,104	I	by Trust

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

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SEC 1474 (9-02)

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)			Derivative Expiration Date Securities (Month/Day/Year) Acquired (A) or Disposed of (D) Instr. 3, 4,		7. Title and Amount of Underlying Securities (Instr. 3 and 4)	
				Code V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Stock Option (right to buy)	\$ 31.29	02/01/2017		M <u>(1)</u>		25,000	12/12/2008	12/13/2017	Common Stock	25,000

Reporting Owners

Reporting Owner Name / Address	Relationships						
	Director	10% Owner	Officer	Other			
SHARP PHILIP A							
300 THIRD STREET	X						
CAMBRIDGE MA 02142							

Signatures

By: /s/ Michael P. Mason, Attorney-in-Fact For: Phillip A. Sharp 02/03/2017

**Signature of Reporting Person Date

Explanation of Responses:

- * 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).
- (1) The sales reported on this Form 4 were made pursuant to a Rule 10b5-1 trading plan adopted by the reporting person on August 25, 2016.
- (2) Sale prices ranged from \$39.09 to \$40.08
- (3) Sale prices ranged from \$40.10 to \$40.24

The 126,104 shares reported as indirectly owned by trust include: (i) 94,838 shares in the Phillip A. Sharp 2009 Grantor Annuity Trust

(4) 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).

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

Reporting Owners 2

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