ALNYLAM PHARMACEUTICALS, INC.

Form 4 June 10, 2013

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

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January 31, 2005

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response...

if no longer subject to Section 16. Form 4 or Form 5

Check this box

obligations may continue. See Instruction

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 30(h) of the Investment Company Act of 1940

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * CLARKE JOHN K

(First)

2. Issuer Name and Ticker or Trading

5. Relationship of Reporting Person(s) to Issuer

Symbol

ALNYLAM

PHARMACEUTICALS, INC.

(Check all applicable)

[ALNY]

06/06/2013

(Last)

(Middle)

3. Date of Earliest Transaction

(Month/Day/Year)

X_ Director Officer (give title below)

10% Owner Other (specify

C/O CARDINAL HEALTH PARTNERS, 221 NASSAU

STREET

(Street) 4. If Amendment, Date Original

Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check

Applicable Line)

X Form filed by One Reporting Person

PRINCETON, NJ 08542

(City) (State) (Zip)

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

Form filed by More than One Reporting

1.Title of

Security

(Instr. 3)

2. Transaction Date 2A. Deemed

(Month/Day/Year) Execution Date, if

3. 4. Securities TransactionAcquired (A) or Code

5. Amount of Securities Beneficially Owned

6. Ownership 7. Nature of Indirect Form: Direct (D) or Indirect Beneficial Ownership (I) (Instr. 4) (Instr. 4)

any (Month/Day/Year)

Disposed of (D) (Instr. 8) (Instr. 3, 4 and 5)

Following Reported (A) Transaction(s) or (Instr. 3 and 4) Code V Amount (D) Price

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

Persons who respond to the collection of **SEC 1474** information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control number.

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

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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. Transactic Code (Instr. 8)	5. Number of orDerivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)		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)	\$ 30.09	06/06/2013		A	15,000	06/06/2014	06/06/2023	Common Stock	15,000

Reporting Owners

Reporting Owner Name / Address	Relationships					
	Director	10% Owner	Officer	Other		
CLARKE JOHN K C/O CARDINAL HEALTH PARTNERS 221 NASSAU STREET PRINCETON, NJ 08542	X					

Signatures

/s/ Michael P. Mason, Attorney-in-Fact For: John K. Clarke 06/10/2013

**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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

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