Mason Michael Form 4 January 08, 2018

FORM 4

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

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 OF **SECURITIES**

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

(Print or Type Responses)

(Last)

Stock

Stock

Common

01/04/2018

1. Name and Address of Reporting Person *

Mason Michael

(First)

300 THIRD STREET

(Street)

CAMBRIDGE, MA 02142

(Middle)

5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading Issuer Symbol

ALNYLAM PHARMACEUTICALS, INC. [ALNY]

3. Date of Earliest Transaction (Month/Day/Year) 01/04/2018

4. If Amendment, Date Original Filed(Month/Day/Year)

OMB APPROVAL

OMB 3235-0287 Number:

2005 Estimated average burden hours per

Expires:

response... 0.5

January 31,

(Check all applicable)

Director 10% Owner Other (specify _X__ Officer (give title below) below)

VP, Finance and Treasurer

6. Individual or Joint/Group Filing(Check

Applicable Line)

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

D

Person

\$ 96.45 17,119

(City)	(State)	(Zip) Tabl	le I - Non-I	Derivative S	Securi	ities Acqui	red, Disposed of,	or Beneficiall	y Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transactio Code (Instr. 8)	4. Securiti nor Dispose (Instr. 3, 4)	ed of (1	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
Common Stock	01/04/2018		M(1)	1,388	A	\$ 42.22	6,352	D	
Common Stock	01/04/2018		M(1)	1,667	A	\$ 63	8,019	D	
Common Stock	01/04/2018		M(1)	3,600	A	\$ 88.95	11,619	D	
Common Stock	01/04/2018		M <u>(1)</u>	2,750	A	\$ 96.45	14,369	D	

2,750

 $M_{-}^{(1)}$

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Common Stock	01/04/2018	M <u>(1)</u>	10,000	A	\$ 97.72	27,119	D	
Common Stock	01/04/2018	M <u>(1)</u>	6,187	A	\$ 96.45	33,306	D	
Common Stock	01/04/2018	M <u>(1)</u>	3,439	A	\$ 63	36,745	D	
Common Stock	01/04/2018	S <u>(1)</u>	5,249	D	\$ 130.42 (2)	31,496	D	
Common Stock	01/04/2018	S(1)	16,500	D	\$ 131.2 (3)	14,996	D	
Common Stock	01/04/2018	S <u>(1)</u>	12,405	D	\$ 132.18 (4)	2,591	D	
Common Stock	01/04/2018	S <u>(1)</u>	1,591	D	\$ 132.98 (5)	1,000	D	
Common Stock	01/04/2018	S <u>(1)</u>	400	D	\$ 133.83 (6)	600	D	
Common Stock	01/04/2018	S(1)	600	D	\$ 135 (7)	0	D	
Common Stock						226	I	by Managed Account (8)

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. Transacti Code (Instr. 8)	5. Number of onDerivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		Expiration Date (Month/Day/Year)		Underlyin	7. Title and Amoun Underlying Securiti (Instr. 3 and 4)	
				Code V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amoi or Numl	

								of Sh
Performance Stock Option 2013 (right to buy)	\$ 63	01/04/2018	M <u>(1)</u>	1,667	09/20/2017	12/17/2023	Common Stock	1,6
Performance Stock Option 2014 (right to buy)	\$ 96.45	01/04/2018	M <u>(1)</u>	2,750	02/01/2016	12/17/2024	Common Stock	2,7.
Performance Stock Option 2014 (right to buy)	\$ 96.45	01/04/2018	M <u>(1)</u>	2,750	07/07/2017	12/17/2024	Common Stock	2,7.
Stock Option (right to buy)	\$ 42.22	01/04/2018	M <u>(1)</u>	1,388	<u>(9)</u>	12/20/2026	Common Stock	1,3
Stock Option (right to buy)	\$ 63	01/04/2018	M <u>(1)</u>	3,439	<u>(9)</u>	12/18/2023	Common Stock	3,4
Stock Option (right to buy)	\$ 88.95	01/04/2018	M(1)	3,600	<u>(9)</u>	12/18/2025	Common Stock	3,6
Stock Option (right to buy)	\$ 96.45	01/04/2018	M <u>(1)</u>	6,187	<u>(9)</u>	12/17/2024	Common Stock	6,1
Stock Option (right to buy)	\$ 97.72	01/04/2018	M <u>(1)</u>	10,000	12/07/2015	12/07/2025	Common Stock	10,0

Reporting Owners

Reporting Owner Name / Address	Keiationsnips					
	Director	10% Owner	Officer	Other		

Mason Michael 300 THIRD STREET CAMBRIDGE, MA 02142

VP, Finance and Treasurer

Dalatianshir

Signatures

/s/ Michael P.

Mason 01/08/2018

**Signature of Person Date

Reporting Person

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) All sales reported on this Form 4 were made pursuant to a Rule 10b5-1 trading plan adopted by the reporting person on October 2, 2017.
- (2) Sale prices ranged from \$129.74 to \$130.72.
- (3) Sale prices ranged from \$130.74 to \$131.73.

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- (4) Sale prices ranged from \$131.75 to \$132.71.
- (5) Sale prices ranged from \$132.75 to \$133.71.
- (6) Sale prices ranged from \$133.78 to \$134.11.
- (7) Sale prices ranged from \$134.94 to \$135.10
- (8) The reporting person owns 226 shares of ALNY common stock under the ALNY 401(k) plan as a result of the ALNY 401(k) matching contribution program.
- (9) The stock option vests as to 25% of the shares on the 1st anniversary of the date of the stock option grant and as to an additional 6.25% of the shares each successive three month period thereafter.

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