

ALNYLAM PHARMACEUTICALS, INC.

Form 4

December 04, 2007

**FORM 4**

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

OMB APPROVAL

OMB Number: 3235-0287  
Expires: January 31, 2005  
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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 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)

1. Name and Address of Reporting Person \*  
SCHIMMEL PAUL

(Last) (First) (Middle)

300 THIRD STREET

(Street)

CAMBRIDGE, MA 02142

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol  
ALNYLAM  
PHARMACEUTICALS, INC.  
[ALNY]

3. Date of Earliest Transaction  
(Month/Day/Year)  
11/30/2007

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

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

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

6. Individual or Joint/Group Filing(Check Applicable Line)

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. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	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)			
			Code	V	Amount	(A) or (D)	Price			
Common Stock	11/30/2007		M		10,000	A	\$ 7.08	248,088	D	
Common Stock	11/30/2007		M		10,000	A	\$ 14.74	258,088	D	
Common Stock	11/30/2007		S		10,000	D	\$ 33.5	248,088	D	
Common Stock	11/30/2007		S		1,619	D	\$ 33.5	246,469	D	
Common Stock	11/30/2007		S		300	D	\$ 33.51	246,169	D	

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Common Stock	11/30/2007	S	500	D	\$ 33.52	245,669	D	
Common Stock	11/30/2007	S	1,800	D	\$ 33.6	243,869	D	
Common Stock	11/30/2007	S	100	D	\$ 34	243,769	D	
Common Stock	11/30/2007	S	2,664	D	\$ 34.13	241,105	D	
Common Stock	11/30/2007	S	536	D	\$ 34.1301	240,569	D	
Common Stock	11/30/2007	S	300	D	\$ 34.139	240,269	D	
Common Stock	11/30/2007	S	500	D	\$ 34.16	239,769	D	
Common Stock	11/30/2007	S	1,681	D	\$ 34.2	238,088	D	
Common Stock	11/30/2007	S	8,365	D	\$ 32.9	90,020	I	by Trust <u>(1)</u>
Common Stock	11/30/2007	S	300	D	\$ 32.91	89,720	I	by Trust
Common Stock	11/30/2007	S	200	D	\$ 32.92	89,520	I	by Trust
Common Stock	11/30/2007	S	100	D	\$ 32.95	89,420	I	by Trust
Common Stock	11/30/2007	S	200	D	\$ 32.96	89,220	I	by Trust
Common Stock	11/30/2007	S	1,500	D	\$ 33.05	87,720	I	by Trust
Common Stock	11/30/2007	S	800	D	\$ 33.07	86,920	I	by Trust
Common Stock	11/30/2007	S	100	D	\$ 33.08	86,820	I	by Trust
Common Stock	11/30/2007	S	2,000	D	\$ 33.25	84,820	I	by Trust
Common Stock	11/30/2007	S	2,500	D	\$ 33.29	82,320	I	by Trust
Common Stock	11/30/2007	S	500	D	\$ 33.3	81,820	I	by Trust
Common Stock	11/30/2007	S	657	D	\$ 33.35	81,163	I	by Trust
	12/03/2007	S	2,150	D	\$ 32.3	79,013	I	by Trust

Common Stock								
Common Stock	12/03/2007	S	400	D	\$ 32.35	78,613	I	by Trust
Common Stock	12/03/2007	S	5,836	D	\$ 32.5	72,777	I	by Trust
Common Stock	12/03/2007	S	1,800	D	\$ 33	70,977	I	by Trust
Common Stock	12/03/2007	S	1,400	D	\$ 33.01	69,577	I	by Trust

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

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**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)	5. Number of Derivative 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 Security (Instr. 3 and 4)	8. Amount or Number of Shares	
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title	Am or Num of S
Non-Qualified Stock Option (right to buy)	\$ 7.08	11/30/2007		M	10,000	06/08/2006 06/08/2015	Common Stock	10	
Non-Qualified Stock Option (right to buy)	\$ 14.74	11/30/2007		M	10,000	06/01/2007 06/01/2016	Common Stock	10	

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
SCHIMMEL PAUL 300 THIRD STREET CAMBRIDGE, MA 02142		X		

## Signatures

By: /s/ Patricia L. Allen, Attorney-in-Fact For: Paul R  
Schimmel

12/04/2007

\_\_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 indirectly held shares listed on this Form 4 are held by Paul Schimmel as Trustee of the Paul Schimmel Prototype PSP.

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

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