

ALNYLAM PHARMACEUTICALS, INC.

Form 3

February 13, 2008

FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

OMB APPROVAL

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INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIESFiled 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 *SCOLNICK EDWARD M
(Last) (First) (Middle)

300 THIRD STREET

(Street)

CAMBRIDGE, MA 02142

(City)

(State)

(Zip)

2. Date of Event Requiring
Statement(Month/Day/Year)
02/11/2008

3. Issuer Name and Ticker or Trading Symbol

ALNYLAM PHARMACEUTICALS, INC. [ALNY]

4. Relationship of Reporting
Person(s) to Issuer

(Check all applicable)

☒ Director ☐ 10% Owner
☐ Officer ☐ Other
(give title below) (specify below)5. If Amendment, Date Original
Filed(Month/Day/Year)

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 Beneficially Owned**1. Title of Security
(Instr. 4)2. Amount of Securities
Beneficially Owned
(Instr. 4)3. Ownership
Form:
Direct (D)
or Indirect
(I)
(Instr. 5)4. Nature of Indirect Beneficial
Ownership
(Instr. 5)Reminder: Report on a separate line for each class of securities beneficially
owned directly or indirectly.

SEC 1473 (7-02)

**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 control number.****Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)**1. Title of Derivative Security
(Instr. 4)2. Date Exercisable and
Expiration Date
(Month/Day/Year)Date Expiration
Exercisable Date3. Title and Amount of
Securities Underlying
Derivative Security
(Instr. 4)Title Amount or
Number of
Shares4. Conversion
or Exercise
Price of
Derivative
Security5. Ownership
Form of
Derivative
Security:
Direct (D)
or Indirect
(I)
(Instr. 5)6. Nature of Indirect
Beneficial
Ownership
(Instr. 5)

Non-Qualified Stock Option (right to buy)	Â (1)	02/10/2018	Common Stock	45,000	\$ 32.97	D	Â
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Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
SCOLNICK EDWARD M 300 THIRD STREET CAMBRIDGE, MA 02142	Â X	Â	Â	Â

Signatures

By: /s/ Patricia L. Allen, Attorney-in-Fact For: Edward M.
Scolnick

02/13/2008

__Signature of Reporting Person

Date

Explanation of Responses:

* If the form is filed by more than one reporting person, *see* Instruction 5(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 stock option will vest as to one third of the shares on each of the first, second and third anniversaries of the date of grant.

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.