DZAU VICTOR J Form 3 April 04, 2007 FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549 OMB

INITIAL STATEMENT OF 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

OMB APPROVAL

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(Print or Type Responses)

1. Name and Address of Reporting Person <u>*</u> DZAU VICTOR J			2. Date of Event Requiring Statement(Month/Day/Year)		3. Issuer Name and Ticker or Trading Symbol ALNYLAM PHARMACEUTICALS, INC. [ALNY]				
(Last)	(First)	(Middle)	04/02/2007	,	4. Relationship of Reporting Person(s) to Issuer			5. If Amendment, Date Original Filed(Month/Day/Year)	
C/O ALNYLAM PHARMACEUTICALS, INC., 300 THIRD STREET (Street) CAMBRIDGE, MA 02142					(Check all applicable) XDirector10% Own OfficerOther (give title below) (specify below)		Owner r	r 6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person	
(City)	(State)	(Zip)		Table I - Non-Derivative Securities Beneficially Owned					
1.Title of Secur (Instr. 4)	ity			2. Amount of Beneficially (Instr. 4)		3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nat Owne (Instr	*	
No securities	s beneficial	ly owned		0		D	Â		
Reminder: Repo	or indirectly. Person inform require	ns who resp ation conta ed to respo	ch class of secu cond to the c hined in this f nd unless the AB control nu	ollection of form are not e form displ		EC 1473 (7-02	2)		

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

1. Title of Derivative Security	2. Date Exercisable and	3. Title and Amount of	4.	5.	6. Nature of Indirect
(Instr. 4)	Expiration Date	Securities Underlying	Conversion	Ownership	Beneficial Ownership
	(Month/Day/Year)	Derivative Security	or Exercise	Form of	(Instr. 5)
		(Instr. 4)	Price of	Derivative	
			Derivative	Security:	

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Date	Expiration	Title	Amount or	Security	Direct (D)
Exercisable	Date		Number of		or Indirect
			Shares		(I)
					(Instr. 5)

Reporting Owners

Reporting Owner Name / Address		Relationships					
reporting o wher runner runness		Director	10% Owner	Officer	Other		
DZAU VICTOR J C/O ALNYLAM PHARMACEUTICALS, IN 300 THIRD STREET CAMBRIDGE, MA 02142	JC.	ÂX	Â	Â	Â		
Signatures							
/s/ Barry E. Greene, 04/0 Attorney-in-Fact	4/20	07					
**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).

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.