Edgar Filing: Mason Michael - Form 4

Mason Mich Form 4 July 18, 201											
FORM	ЛЛ									PPROVAL	
	RITIES AND EXCHANGE COMN ashington, D.C. 20549				OMMISSION	OMB Number:	3235-0287				
Check this box if no longer subject to Section 16. Form 4 or Form 5 Filed pursuant to Sec									Expires:	January 31, 2005	
				SECUR	ITIES				Estimated a burden hou response	average irs per	
obligatio may con <i>See</i> Instr 1(b).	ons Section 17	7(a) of the	Public U		ling Con	npan	y Act of	1935 or Sectio	n		
(Print or Type	Responses)										
Mason Michael S A P			2. Issuer Name and Ticker or Trading Symbol ALNYLAM PHARMACEUTICALS, INC. [ALNY]					5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner			
CAMBRID	(Street) OGE, MA 02142			endment, Da nth/Day/Year)	-	1		6. Individual or Jo Applicable Line) _X_ Form filed by 0 Form filed by M Person	One Reporting Pe	erson	
(City)	(State)	(Zip)	Tabl	le I - Non-D	erivative	Secur	ities Acq	uired, Disposed of	, or Beneficial	lly Owned	
1.Title of Security (Instr. 3)		Transaction Date 2A. Deemed onth/Day/Year) Execution Date, if any (Month/Day/Year)		Code (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	
Common				Code V		(D)	Price \$		_		
Stock	07/16/2012			M <u>(1)</u>	8,733	А	[‡] 13.12	16,580	D		
Common Stock	07/16/2012			S <u>(1)</u>	8,733	D	\$ 19	7,847	D		
Common Stock	07/16/2012			M <u>(1)</u>	6,562	A	\$ 9.14	14,409	D		
Common Stock	07/16/2012			S <u>(1)</u>	6,562	D	\$ 18	7,847	D		
Common Stock								1,499	Ι	By Managed	

Account (2)

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

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 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. Transactic Code (Instr. 8)	5. Number 6. Date Exercisable and mof Derivative Expiration Date Securities (Month/Day/Year) Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		7. Title and Amount of Underlying Securities (Instr. 3 and 4)		8. l De Sec (In	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
Stock Option (Right to Buy)	\$ 9.14	07/16/2012		M <u>(1)</u>	6,562	(3)	12/08/2020	Common Stock	6,562	
Stock Option (Right to Buy)	\$ 13.12	07/16/2012		M <u>(1)</u>	8,733	(3)	12/07/2015	Common Stock	8,733	

Reporting Owners

Reporting Owner Name / Add	ress	Relationships							
	Director	10% Owner	Officer	Other					
Mason Michael 300 3RD STREET CAMBRIDGE, MA 02142			VP, Finance & Treasurer						
Signatures									
/s/ Michael P. Mason	07/18/2012								

<u>**</u>Signature of Reporting Person Date

Reporting Owners

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 sales reported on this Form 4 were made pursuant to a Rule 10b5-1 trading plan adopted by the reporting person on February 28, 2012.
- (2) The reporting person owns 1,499 shares of ALNY common stock under the ALNY 401(k) plan as a result of the ALNY 401(k) matching contribution program.
- (3) 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.

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.