SEC For	m 4 FORM	4	UNITE	D STA	TES	SE	ECU	RITIE	S AN	ID E	ЕХСНА	NGE C	сомм	ISSION					
	-	Washington, D.C. 20549											OMB APPROVAL						
Section obligation	this box if no lo n 16. Form 4 or ions may contil tion 1(b).	STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940												Estimated average burden			3235-0287 n 0.5		
1. Name and Address of Reporting Person* Greene Barry E (Last) (First) (Middl 675 WEST KENDALL STREET					2. Is <u>AI</u> [A 3. D	2. Issuer Name and Tick ALNYLAM PHA [ALNY] 3. Date of Earliest Transa				ker or Trading Symbol ARMACEUTICA			1 / 0	5. Relationship of (Check all applica Director X Officer (g below)		10% O		vner	
	A. TERME			07/07/2020 4. If Amendment, Date of Original Filed (Month/Day/Year)								6. Individual or Joint/Group Filing (Check Applicable							
(Street) CAMBR	IDGE M	DGE MA 02142			-7.11	Line) X Form filed								iled by O iled by M	d by One Reporting Person d by More than One Reportir				
(City)	(S	tate)	(Zip)																
		Tak	ole I - No	on-Deriv	ative	Se	curiti	ies Ac	quired	, Dis	sposed o	f, or Be	neficia	lly Owned					
Date				2. Transa Date (Month/Da		Execution Date,		3. Transaction Code (Instr. 8)		4. Securities Acquired (A) o Disposed Of (D) (Instr. 3, 4			Beneficially Owned Following		6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)		7. Nature of Indirect Beneficial Ownership		
									Code	v	Amount	(A) or (D)	Price	Reported Transacti (Instr. 3 a	on(s)		(Instr. 4)	
Common Stock				07/07/2020					M ⁽¹⁾		22,265	A	\$ <mark>9.1</mark> 4	84,	84,501		D		
Common Stock				07/07/2020					S ⁽¹⁾		22,265 D \$1		\$159.9	9 62,	62,236		D		
Common Stock														3,0	03		I	y Managed Account ⁽²⁾	
Common Stock														3,4	86		I t	y Trust ⁽³⁾	
			Table II ·						,		oosed of, convertil			/ Owned					
1. Title of Derivative Security (Instr. 3)	erivative Conversion Date Exec ecurity or Exercise (Month/Day/Year) if any			Date,		ansaction de (Instr.		of		Exerci on Dat Day/Ye		of Securi Underlyir	ng e Security	Derivative Security (Instr. 5)	9. Numb derivati Securiti Benefic Owned Followin Reporte Transac (Instr. 4)	ve ies ially ng ed ction(s)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership t (Instr. 4)	
					Code	v	(A)	(D)	Date Exercisa		Expiration Date	Title	Number of Shares						

buy) Explanation of Responses:

\$9.14

Stock

Option

(right to

1. All sales reported on this Form 4 were made pursuant to a Rule 10b5-1 trading plan adopted by the reporting person on February 13, 2020. The 22,265 options exercised and sold by the reporting person were due to expire on December 8, 2020.

(4)

2. Reflects shares of ALNY common stock acquired by the reporting person under the ALNY 401(k) plan as a result of the ALNY 401(k) matching contribution program.

3. Represents shares held by the "Barry E. Greene Qualified Annuity Interest Trust" (GRAT), of which Barry E. Greene is the sole Trustee

M⁽¹⁾

4. The stock option vested 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.

22,265

By: /s/ Mary Beth DeLena,

22,265

Attorney-in-Fact For: Barry E. 07/09/2020

\$<mark>0.0</mark>

44,530

D

Greene

Common

Stock

12/08/2020

** Signature of Reporting Person Date

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

* If the form is filed by more than one reporting person, see Instruction 4 (b)(v).

07/07/2020

** 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.

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 Number.