FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT	OF CHANGES	IN BENEFICIAL	OWNERSHIP

OMB APPROVAL									
OMB Number:	3235-0287								
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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)

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person* MACKAY MARTIN					<u>A</u>	2. Issuer Name and Ticker of Trading Symbol ALEXION PHARMACEUTICALS INC [ALXN] 3. Date of Earliest Transaction (Month/Day/Year) 02/27/2017								ck all application Director Officer	ationship of Reporting all applicable) Director Officer (give title below)		10% Ow Other (s below)	ner
(Last) (First) (Middle) C/O ALEXION PHARMACEUTICALS, INC 100 COLLEGE STREET			02	EVP	EVP & Global Head of R&D													
(Street) NEW HAVEN CT 06510				_	4. If Amendment, Date of Original Filed (Month/Day/Year)								ividual or Joint/Group Filing (Check Applicable Form filed by One Reporting Person Form filed by More than One Reporting Person					
(City)	(S	itate)	(Zip)															
			ble I - N			_		Acc	quired	l, Dis	sposed of	-		_	-4 -4			7. Nature of
1. Title of Security (Instr. 3) 2. Tran Date (Month				Execution Date,		,	Transaction Disposed Of (D) (Instr. 3, 4 ar Code (Instr.				nd 5) Securities Beneficiall Owned Fol		Form (D) or	m: Direct or Indirect	Indirect Beneficial Ownership			
							Code	v	Amount	(A) or (D)	Price	Reported Transact (Instr. 3 a	ion(s)		10	(Instr. 4)		
Common	Stock, par	value \$.0001 per	share	02/2	7/201	2017			S		860(1)	D	\$131.2	38,	883		D	
Common Stock, par value \$.0001 per share			02/2	8/2017	7			S		625(1)	D	\$131.7	2) 38,	258		D		
Common Stock, par value \$.0001 per share 02/28/			8/2017	2017		A		12,800(3)	A	\$0	\$0 51,		,058					
Common Stock, par value \$.0001 per share 03/01/2			1/2017	2017		S		370(1)	D	\$132.5	⁴⁾ 50,	50,688		D				
			Table II								oosed of, convertib			Owned				
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)				6. Date Exercisable Expiration Date (Month/Day/Year)		ate	7. Title and Am of Securities Underlying Derivative Sec (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number derivative Securities Beneficial Owned Following Reported	e s ully g	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership ect (Instr. 4)
					Code	v	(A)	(D)	Date Exercis	sable	Expiration Date	Title	Amount or Number of Shares		Transaction(s (Instr. 4)		5)	
Option to Purchase Common Stock	\$131.25	02/28/2017			A		12,800 ⁽⁵⁾		02/28/	2018	02/28/2027	Common Stock, par value \$.0001 per share	12,800	\$0	12,80	00	D	

Explanation of Responses:

- 1. This sale was made to cover withholding taxes immediately following the vesting of previously granted Restricted Stock Units.
- 2. This transaction was executed in multiple trades through a broker-dealer at prices ranging from \$131.00 \$131.99. The price reported in this column reflects the weighted average sales price. Upon request, the reporting person will provide to the SEC staff full information regarding the number of shares sold at each price.
- 3. Award of Restricted Stock Units under the 2004 Incentive Plan. 25% vests on each anniversary of the grant date.
- 4. This transaction was executed in multiple trades through a broker-dealer at prices ranging from \$132.00 \$132.99. The price reported in this column reflects the weighted average sales price. Upon request, the reporting person will provide to the SEC staff full information regarding the number of shares sold at each price.
- 5. Stock option award under 2004 Incentive Plan. 25% vest on the first anniversary of the grant date, 1/16 every three months thereafter until fully vested over 4 years.

Remarks:

/s/ Michael Greco, Attorney-in-03/01/2017 Fact for Martin Mackay

** 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).
- ** 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.