

O'Neill Julie
 Form 4
 September 05, 2017

FORM 4 UNITED STATES SECURITIES AND EXCHANGE COMMISSION
 Washington, D.C. 20549

OMB APPROVAL
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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).

STATEMENT OF CHANGES IN 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

(Print or Type Responses)

1. Name and Address of Reporting Person *
 O'Neill Julie

2. Issuer Name and Ticker or Trading Symbol
 ALEXION PHARMACEUTICALS INC [ALXN]

5. Relationship of Reporting Person(s) to Issuer
 (Check all applicable)
 Director 10% Owner
 Officer (give title below) Other (specify below)
 EVP. Global Operations

(Last) (First) (Middle)
 C/O ALEXION PHARMACEUTICALS, INC, 100 COLLEGE STREET

3. Date of Earliest Transaction (Month/Day/Year)
 08/31/2017

(Street)
 NEW HAVEN, CT 06510

4. 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

(City) (State) (Zip)

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (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 Beneficial Ownership (Instr. 4)
Common Stock, par value \$0.0001 per share	08/31/2017		S	612 ⁽¹⁾ D ₍₂₎	\$ 142 26,092	D	
Common Stock, par value \$0.0001 per share	09/05/2017		S	1,841 ⁽¹⁾ D	\$ 145.81 24,251	D	

Common Stock, par value \$\$.0001 per share	09/05/2017	S	672 ⁽¹⁾	D	\$ 147	23,579	D
Common Stock, par value \$\$.0001 per share	09/05/2017	S	600 ⁽¹⁾	D	\$ 145.64 ⁽³⁾	22,979	D
Common Stock, par value \$\$.0001 per share	09/05/2017	S	650 ⁽⁴⁾	D	\$ 145.81	22,329	D

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.

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(9-02)

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. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of Derivative Securities Beneficially Owned Following Reported Transaction (Instr. 3)
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
O'Neill Julie C/O ALEXION PHARMACEUTICALS, INC 100 COLLEGE STREET NEW HAVEN, CT 06510			EVP. Global Operations	

Signatures

/s/ Michael Greco, Attorney-in-Fact for Julie
O'Neill

09/05/2017

__Signature of Reporting Person

Date

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 transaction is made pursuant to the terms of a sales plan designed to meet the requirements of Rule 10b5-1(c)(1) of the Securities Exchange Act.

This transaction was executed in multiple trades through a broker-dealer at prices ranging from \$142.00 - \$142.99. The price reported in
- (2) 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.

This transaction was executed in multiple trades through a broker-dealer at prices ranging from \$145.51 - \$146.51. The price reported in
- (3) 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.
- (4) This sale was made to cover withholding taxes immediately following the vesting of previously granted Restricted Stock Units.

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.