

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

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* <u>ORLOFF JOHN J</u> <hr/> (Last) (First) (Middle) <u>C/O ALEXION PHARMACEUTICALS, INC</u> <u>121 SEAPORT BOULEVARD</u> <hr/> (Street) <u>BOSTON MA 02210</u> <hr/> (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>ALEXION PHARMACEUTICALS, INC. [ALXN]</u>	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner Officer (give title below) Other (specify below) <input checked="" type="checkbox"/> <u>EVP, Research & Development</u>
	3. Date of Earliest Transaction (Month/Day/Year) <u>02/28/2019</u>	

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)
			Code	V	Amount	(A) or (D)	Price			
Common Stock, par value \$.0001 per share	02/28/2019		F		675 ⁽¹⁾	D	\$132.92 ⁽²⁾	31,115	D	
Common Stock, par value \$.0001 per share	12/15/2018		A	V	34 ⁽³⁾	A	\$93.01	31,149	D	

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 Securities Underlying Derivative Security (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V	(A)	(D)	Date Exercisable	Expiration Date					

Explanation of Responses:

- This sale was made to cover withholding taxes immediately following the vesting of previously granted Restricted Stock Units.
- This transaction was executed in multiple trades through a broker-dealer at prices ranging from \$132.90- \$135.01. 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.
- In accordance with the Alexion ESPP, these shares were purchased (for the ESPP purchase period from June 30, 2018 to December 15, 2018) based on 85% of the closing price of the Issuer's common stock on December 15, 2018.

Remarks:

/s/ Douglas Barry, Attorney-in-Fact for John Orloff 03/04/2019

** 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.

POWER OF ATTORNEY

Known all by these presents, that the undersigned hereby constitutes and appoints William Wheeler and Douglas Barry, each signing singly, the undersigned's true and lawful attorney-in-fact to:

- (1) Execute for and on behalf of the undersigned, in the undersigned's capacity as an officer and/or director of Alexion Pharmaceuticals, Inc. (the "Company"), Forms 3, 4, 5 (or any successor forms) and any amendments thereto
- (2) Do and perform any and all acts for and on behalf of the undersigned which may be necessary or desirable to complete and execute any such Forms 3, 4, 5 (or any successor forms) and any amendments thereto and timely file s
- (3) Take any other action of any type whatsoever in connection with the foregoing which, in the opinion of such attorney-in-fact, may be of benefit to, in the best interest of, or legally required by, the undersigned, it bein

The undersigned hereby grants to each such attorney-in-fact full power and authority to do and perform any and every act and thing whatsoever requisite, necessary or proper to be done in the exercise of any rights and p

This Power of Attorney shall remain in full force and effect until the undersigned is no longer required to file Forms 3, 4, 5 (or any successor forms) and any amendments thereto with respect to the undersigned's holdin

IN WITNESS WHEREOF, the undersigned has caused this Power of Attorney to be executed as of this 11th day of June, 2018.

/s/ John Orloff
(signature)

John Orloff