

OMB APPROVAL	
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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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* <u>ORLOFF JOHN J</u> (Last) (First) (Middle) <u>C/O ALEXION PHARMACEUTICALS, INC</u> <u>121 SEAPORT BOULEVARD</u> (Street) <u>BOSTON MA 02210</u> (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>ALEXION PHARMACEUTICALS, INC.</u> [<u>ALXN</u>]	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) <u>EVP, Research & Development</u>
	3. Date of Earliest Transaction (Month/Day/Year) <u>12/16/2020</u>	
4. If Amendment, Date of Original Filed (Month/Day/Year)		

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	12/16/2020		A		40,677 ⁽¹⁾	A	\$0	85,206	D	
Common Stock, par value \$.0001 per share	12/16/2020		F		18,134 ⁽²⁾	D	\$157.96	67,072	D	
Common Stock, par value \$.0001 per share	12/16/2020		F		3,261 ⁽³⁾	D	\$157.96	63,811	D	
Common Stock, par value \$.0001 per share	12/15/2020		A	V	40 ⁽⁴⁾	A	\$93.53	63,851	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)
					(A)	(D)	Date Exercisable	Expiration Date					
					Code	V			Title	Amount or Number of Shares			

Explanation of Responses:

- Shares acquired on vesting of Performance Stock Units previously granted on February 28, 2018 under the 2017 Stock Incentive Plan.
- This sale was made to cover withholding taxes immediately following the vesting of previously granted Performance Stock Units.
- This sale was made to cover withholding taxes immediately following the vesting of previously granted Restricted Stock Units.
- In accordance with the Alexion ESPP, these shares were purchased (for the ESPP purchase period from July 1, 2020 to December 15, 2020) based on 85% of the share price on July 1, 2020.

Remarks:

/s/ Douglas Barry, Attorney-in-Fact for John Orloff 12/18/2020

** 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).

** 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.