

## INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

OMB APPROVAL

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Estimated average burden

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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>Thiel Carsten</u>  (Last) (First) (Middle) <u>C/O ALEXION PHARMACEUTICALS, INC.</u> <u>352 KNOTTER DRIVE</u>  (Street) <u>CHESHIRE CT 06410</u>  (City) (State) (Zip)	2. Date of Event Requiring Statement (Month/Day/Year) <u>02/02/2015</u>	3. Issuer Name and Ticker or Trading Symbol <u>ALEXION PHARMACEUTICALS INC [ ALXN ]</u>	
		4. 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>SVP, EMEA &amp; Asia Pacific</u>	5. If Amendment, Date of Original Filed (Month/Day/Year)  6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person Form filed by More than One Reporting Person

## Table I - Non-Derivative Securities Beneficially Owned

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
<u>Common Stock, par value \$.0001 per share</u>	<u>26,000<sup>(1)</sup></u>	<u>D</u>	

Table II - Derivative Securities Beneficially Owned  
(e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)		3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)	4. Conversion or Exercise Price of Derivative Security	5. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date				
<u>Option to Purchase Common Stock</u>	<u>09/09/2015</u>	<u>09/09/2024</u>	<u>Common Stock, par value \$.0001 per share</u>	<u>161.37</u>	<u>D</u>	

## Explanation of Responses:

1. Restricted stock units awarded under Amended and Restated 2004 Incentive Plan. These restricted stock units were awarded on September 9, 2014. 14,000 vest on September 9, 2015 and 4,000 on the anniversary thereof until fully vested after four years from the grant date.

2. Stock options awarded under Amended and Restated 2004 Incentive Plan. These stock options vest 7,500 on September 9, 2015, and 1,875 every three months thereafter until fully vested over 4 years from the grant date

## Remarks:

/s/ Michael Greco, Attorney-in-Fact for Carsten Thiel 02/12/2015

\*\* 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 5 (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.