Sinha Vikas Form 4 January 11, 2012

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549 STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

if no longer subject to Section 16. Form 4 or Form 5 obligations

Check this box

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

2. Issuer Name and Ticker or Trading

1(b).

Sinha Vikas

(Print or Type Responses)

1. Name and Address of Reporting Person *

may continue.

See Instruction

Symbol ALEXION PHARMACEUTICALS (Check all applicable) INC [ALXN] (Last) (First) (Middle) 3. Date of Earliest Transaction Director 10% Owner X_ Officer (give title Other (specify (Month/Day/Year) below) C/O ALEXION 01/09/2012 SVP & CFO PHARMACUETICALS, INC., 352 KNOTTER DRIVE (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check Filed(Month/Day/Year) Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting CHESHIRE, CT 06410 (City) (State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 1.Title of 2. Transaction Date 2A. Deemed 3. 4. Securities Acquired 5. Amount of 7. Nature of Indirect Security (Month/Day/Year) Execution Date, if Transaction(A) or Disposed of (D) Securities Ownership (Instr. 3) Code (Instr. 3, 4 and 5) Beneficially Form: Direct Beneficial (Month/Day/Year) (Instr. 8) Owned (D) or Ownership Following Indirect (I) (Instr. 4) Reported (Instr. 4) (A) Transaction(s) (Instr. 3 and 4) Price Code V Amount (D) Common Stock, par 20,000 value 01/09/2012 M \$ 5.18 372,103 D Α (1) \$.0001 per share Common Stock, par \$ 377,767 17.65 5,664 A 01/09/2012 M D value \$.0001 per share

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January 31,

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response...

5. Relationship of Reporting Person(s) to

Issuer

Estimated average

burden hours per

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Common Stock, par value \$.0001 per share	01/09/2012	S	20,000 (1)	D	\$ 75.55 (2)	357,767	D
Common Stock, par value \$.0001 per share	01/10/2012	S	1,036 (3)	D	\$ 75	356,731	D

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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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. Transactio Code (Instr. 8)	5. Number of orDerivative 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)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Option to Purchase Common Stock	\$ 5.18	01/09/2012		M	20,000	04/09/2006	01/09/2016	Common Stock, par value \$.0001 per share	20,000
Option to Purchase Common Stock	\$ 17.65	01/09/2012		M	5,664	04/09/2008	01/09/2018	Common Stock, par value \$.0001 per share	5,664

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

SVP & CFO

Reporting Owners 2

Sinha Vikas C/O ALEXION PHARMACUETICALS, INC. 352 KNOTTER DRIVE CHESHIRE, CT 06410

Signatures

/s/ Vikas Sinha 01/11/2012

**Signature of
Reporting Person

Explanation of Responses:

* If the form is filed by more than one reporting person, see Instruction 4(b)(v).

Date

- ** 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 transactions reported by this Form 4 are 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 \$75.28 \$76.28. 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) These sales were made to cover withholding taxes immediately following the vesting of previously granted Restricted Stock.

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.

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