Sinha Vikas Form 4 July 13, 2010

FORM 4

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

OMB APPROVAL

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Check this box

Form 5 obligations may continue. See Instruction

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

30(h) of the Investment Company Act of 1940

1(b).

(Last)

(Print or Type Responses)

1. Name and Address of Reporting Person * Sinha Vikas

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to

Issuer

ALEXION PHARMACEUTICALS

INC [ALXN]

(Check all applicable) Director 10% Owner

3. Date of Earliest Transaction (Month/Day/Year) 07/12/2010

X_ Officer (give title below) SVP & CFO

Other (specify

C/O ALEXION PHARMACUETICALS, INC., 352

(Street)

(First)

(Middle)

KNOTTER DRIVE

4. If Amendment, Date Original

6. Individual or Joint/Group Filing(Check

Applicable Line)

Filed(Month/Day/Year)

(Month/Day/Year)

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

Price

1.Title of Security (Instr. 3)

2. Transaction Date 2A. Deemed (Month/Day/Year)

3. Execution Date, if Code

(Instr. 8)

4. Securities Acquired Transaction(A) or Disposed of (D) (Instr. 3, 4 and 5)

5. Amount of Securities Beneficially Owned Following

6. Ownership 7. Nature of Form: Direct Indirect (D) or Beneficial Indirect (I) Ownership (Instr. 4) (Instr. 4)

(A) Code V Amount (D)

Transaction(s) (Instr. 3 and 4)

Reported

Common

\$.0001 per share

Stock, par value

07/12/2010

S 486 (1) D 53,821

D

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

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number.

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

	1. Title of	2.	3. Transaction Date	3A. Deemed	4.	5.	6. Date Exerc	cisable and	7. Titl	e and	8. Price of	9. Nu
	Derivative	Conversion	(Month/Day/Year)	Execution Date, if	TransactionNumber		Expiration D	ate	Amou	nt of	Derivative	Deriv
	Security	or Exercise		any	Code	of	(Month/Day/	Year)	Under	lying	Security	Secui
	(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8) Derivative Securities				Securities (Instr. 3 and 4)		(Instr. 5)	Bene
		Derivative										Owne
		Security				Acquired						Follo
						(A) or						Repo
						Disposed						Trans
					of (D)							(Instr
						(Instr. 3,						
					4, and 5)							
										Amount		
							Exercisable Date	Expiration		or Number		
								Date		of		
					Code V	(A) (D)		Shares				
					Code V	(A) (D)				Shares		

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

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

SVP & CFO

Signatures

/s/ Vikas Sinha 07/13/2010

**Signature of 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) These sales were made to cover the 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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