KELLER WILLIAM R

Form 4

February 24, 2012

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

OMB Number:

5. Relationship of Reporting Person(s) to

3235-0287

0.5

January 31, Expires:

2005 Estimated average

OMB APPROVAL

burden hours per response...

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

Check this box

SECURITIES Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934,

obligations Section 17(a) of the Public Utility Holding Company Act of 1935 or Section may continue. See Instruction

30(h) of the Investment Company Act of 1940

2. Issuer Name and Ticker or Trading

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person *

KELLER WILLIAM R			Symbol ALEXION PHARMACEUTICALS INC [ALXN]					Issuer (Check all applicable)			
(Last)	(First)	(Middle)	3. Date of Earliest Transaction (Month/Day/Year)					_X_ Director 10% Owner Officer (give title Other (specify			
C/O ALEXION			02/23/2012					below)	below)		
PHARMACEUTICALS, INC., 352 KNOTTER DRIVE											
	(Street) 4. If Ame			endment, Date Original				6. Individual or Joint/Group Filing(Check			
Filed(ed(Month/Day/Year)				Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting			
CHESHIRE, CT 06410								Person			
(City)	(State) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned										
1.Title of Security (Instr. 3)	2. Transaction Date 2A. Deemed (Month/Day/Year) Execution Date, if any (Month/Day/Year)		3. 4. Securities Acquired Transaction(A) or Disposed of (D) Code (Instr. 3, 4 and 5) (Instr. 8) (A) or			ed of (D)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)			
Common Stock, par value \$.0001 per share	02/23/2012			Code V M	3,745		Price \$ 23.05	13,550	D		
Common Stock, par value \$.0001 per share	02/23/2012			M	1,984	A	\$ 26.64 (1)	15,534	D		

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Common Stock, par value \$.0001 per share	02/23/2012	M	2,786	A	\$ 49.43	18,320	D
Common Stock, par value \$.0001 per share	02/23/2012	S	8,515	D	\$ 84.78 (1)	9,805	D

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

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SEC 1474 (9-02)

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. 5. Number Transaction of Derivative Code Securities (Instr. 8) 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	\$ 23.05	02/23/2012		M		3,745	03/01/2010	12/01/2019	Common Stock, par value \$.0001 per share	3,745
Option to Purchase Common Stock	\$ 26.64	02/23/2012		M		1,984	08/12/2010	05/12/2020	Common Stock, par value \$.0001 per share	1,984
Option to Purchase Common Stock	\$ 49.43	02/23/2012		M		2,786	08/11/2011	05/11/2021	Common Stock, par value \$.0001 per share	2,786

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

KELLER WILLIAM R C/O ALEXION PHARMACEUTICALS, INC. 352 KNOTTER DRIVE CHESHIRE, CT 06410



Signatures

/s/ William

Keller 02/24/2012

**Signature of Date

Reporting Person

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).

This transaction was executed in multiple trades through a broker-dealer at prices ranging from \$84.67 - \$85.03. 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.

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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