Coissac Patrice Form 4 January 28, 2009

OMB APPROVAL

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

OMB 3235-0287

Check this box if no longer subject to Section 16.

Number: January 31, Expires: 2005

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

Estimated average burden hours per response... 0.5

Form 4 or 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

30(h) of the Investment Company Act of 1940

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * Coissac Patrice

2. Issuer Name and Ticker or Trading

5. Relationship of Reporting Person(s) to Issuer

Symbol

ALEXION PHARMACEUTICALS INC [ALXN]

(Check all applicable)

(Last) (First) (Middle)

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

Director 10% Owner X_ Officer (give title Other (specify

01/26/2009

below) GM/President ALXN SAS Europe

C/O ALEXION

(Street)

PHARMACEUTICALS, INC, 352 KNOTTER DRIVE

(Month/Day/Year)

6. Individual or Joint/Group Filing(Check

Filed(Month/Day/Year)

4. If Amendment, Date Original

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 Security (Instr. 3)

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

3. 4. Securities TransactionAcquired (A) or Code Disposed of (D) (Instr. 8) (Instr. 3, 4 and 5)

5. Amount of Securities Beneficially Owned Following

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

(A)

Reported Transaction(s)

(Instr. 3 and 4) Price

Common Stock, par

value 01/26/2009

6,000 Α (1)

Code V Amount

\$0 27,941

(D)

D

\$.0001 per share

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 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. Transactic Code (Instr. 8)	5. Number of or 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 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	\$ 35.95	01/26/2009		A	45,000	<u>(2)</u>	01/26/2019	Common Stock, par value \$.0001 per share	45,000

Reporting Owners

Reporting Owner Name / Address

Director 10% Owner Officer Other

Coissac Patrice C/O ALEXION PHARMACEUTICALS, INC 352 KNOTTER DRIVE CHESHIRE, CT 06410

GM/President ALXN SAS Europe

Signatures

/s/ Patrice
Coissac

**Signature of Date

**Signature of 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).
- (1) Award of Restricted Stock Units pursuant to the 2004 Incentive Plan. One half vests two years following the transaction date, and 1/2 vests four years following the transaction date.
- (2) 1/16th vests every three months following the transaction date.

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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