

Coissac Patrice  
Form 4  
February 22, 2011

**FORM 4** UNITED STATES SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549

OMB APPROVAL

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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

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

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

(Print or Type Responses)

1. Name and Address of Reporting Person \*  
Coissac Patrice

2. Issuer Name and Ticker or Trading Symbol  
ALEXION PHARMACEUTICALS INC [ALXN]

5. Relationship of Reporting Person(s) to Issuer  
(Check all applicable)  
 Director  10% Owner  
 Officer (give title below)  Other (specify below)  
SVP, Pres Alxn Pharm Int

(Last) (First) (Middle)

C/O ALEXION PHARMACEUTICALS, INC, 352 KNOTTER DRIVE

3. Date of Earliest Transaction (Month/Day/Year)  
02/17/2011

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)  
 Form filed by One Reporting Person  
 Form filed by More than One Reporting Person

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 (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Ownership (Instr. 4)
			Code	V	Amount or (D) Price		
Common Stock, par value \$.0001 per share	02/17/2011		M		36,100 A \$ 14.08	75,041	D
Common Stock, par value \$.0001 per share	02/17/2011		M		16,000 A \$ 10.36	91.041	D

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Common  
Stock, par  
value 02/17/2011 S 24,494 D \$ 92.41 66,547 D  
\$.0001 per  
share (1)

Common  
Stock, par  
value 02/17/2011 S 27,606 D \$ 93.25 38,941 D  
\$.0001 per  
share (2)

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

**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 control number.**

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. Transaction Code (Instr. 8)	5. Number of 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)	Amount or Number of Shares	
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title	
Option to Purchase Common Stock	\$ 14.08	02/17/2011		S	36,100	11/07/2006 11/07/2015	Common Stock	36,100	
Option to Purchase Common Stock	\$ 10.36	02/17/2011		S	16,000	04/09/2006 01/09/2016	Common Stock	16,000	

## Reporting Owners

**Reporting Owner Name / Address**

**Relationships**

Director 10% Owner Officer Other

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

SVP, Pres Alxn Pharm Int

CHESHIRE, CT 06410

## Signatures

/s/ Patrice

02/22/2011

Coissac

\_\_Signature of  
Reporting 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) This transaction was executed in multiple trades through a broker-dealer at prices ranging from \$92.05 - \$93.05. 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.

(2) This transaction was executed in multiple trades through a broker-dealer at prices ranging from \$93.06 - \$93.36. 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.

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