Rummelt Andreas Form 4 October 25, 2011

Check this box

if no longer

subject to

Section 16.

Form 4 or

obligations

may continue.

See Instruction

Form 5

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL

3235-0287

January 31,

2005

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OMB

Number:

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response...

5. Relationship of Reporting Person(s) to

Issuer

Estimated average

burden hours per

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

2. Issuer Name and Ticker or Trading

1(b).

share

(Print or Type Responses)

1. Name and Address of Reporting Person *

Rummelt Andreas Symbol ALEXION PHARMACEUTICALS (Check all applicable) INC [ALXN] (Last) (First) (Middle) 3. Date of Earliest Transaction X_ Director 10% Owner Officer (give title Other (specify (Month/Day/Year) C/O ALEXION 10/24/2011 PHARMACEUTICALS, 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 6. Ownership 7. Nature of Transaction(A) or Disposed of (D) Form: Direct Indirect Security (Month/Day/Year) Execution Date, if Securities (Instr. 3) Code (Instr. 3, 4 and 5) Beneficially (D) or Beneficial (Month/Day/Year) (Instr. 8) Owned Indirect (I) Ownership Following (Instr. 4) (Instr. 4) Reported (A) Transaction(s) (Instr. 3 and 4) Code V Amount (D) Price Common Stock, par 3,656 30,856 (1) D value 10/24/2011 M (1) 24.36 \$.0001 per share Common Stock, par 3,966 A \$ 34,822 10/24/2011 M D value \$.0001 per

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Common Stock, par value \$.0001 per share	10/24/2011	M	1,393	A	\$ 49.43	36,215	D
Common Stock, par value \$.0001 per share	10/24/2011	S	9,015	D	\$ 69.01	27,200	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. Transacti Code (Instr. 8)	Secu Acq (A) Disp (D)	bosed of tr. 3, 4,	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	\$ 24.36	10/24/2011		M		3,656	02/23/2011	02/23/2020	Common Stock, par value \$.0001 per share	3,656
Option to Purchase Common Stock	\$ 26.64	10/24/2011		M		3,966	08/12/2010	05/12/2020	Common Stock, par value \$.0001 per share	3,966
Option to Purchase Common Stock	\$ 49.43	10/24/2011		M		1,393	08/11/2011	05/11/2021	Common Stock, par value \$.0001 per share	1,393

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Rummelt Andreas C/O ALEXION PHARMACEUTICALS, INC. 352 KNOTTER DRIVE CHESHIRE, CT 06410



Signatures

/a/ Andreas Rummelt 10/25/2011

**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).
- (1) Reporting person's ownership reflects the 2-for-1 common stock split effected by Alexion in the form of a dividend on May 20, 2011.

This transaction was executed in multiple trades through a broker-dealer at prices ranging from \$68.99 - \$69.10. The price reported in this

(2) 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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