### ALEXION PHARMACEUTICALS INC

Form 4

Common Stock, par

\$.0001 per

02/10/2015

value

share

February 12, 2015

| FORM  | 14                                      |  |  | OMB APPROVAL   |  |  |  |  |  |  |  |  |  |
|---|---|--|--|--|--|--|--|--|--|--|--|--|--|
| . 0.11.   | • • UNITED                              |  | RITIES AND EXCHANGE COMMI ashington, D.C. 20549                                | SSION OMB<br>Number: 3235-0287   |  |  |  |  |  |  |  |  |  |
| Check th if no long   | ar.                                     | STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES   |  |  |  |  |  |  |  |  |  |  |  |
| subject to<br>Section 1<br>Form 4 o   | 6.<br>or                                |  |  |  |  |  |  |  |  |  |  |  |  |
| Form 5 obligations may continue.  See Instruction 1(b).  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)   |   |  |  |  |  |  |  |  |  |  |  |  |  |
|   |   |  | ter Name <b>and</b> Ticker or Trading  5. Relating Issuer  ION PHARMACEUTICALS | 5. Relationship of Reporting Person(s) to Issuer   |  |  |  |  |  |  |  |  |  |
|   |   |  | ALXN]  | (Check all applicable)   |  |  |  |  |  |  |  |  |  |
| (Last)  | (First) (I                              |  | /Day/Year)X_ Oi  | Director 10% Owner Y Officer (give title Other (specify  |  |  |  |  |  |  |  |  |  |
| C/O ALEXI<br>PHARMAC<br>KNOTTER   | CEUTICALS, INC                          | 02/10  | Delow)   | below) EVP & Global Head of R&D  |  |  |  |  |  |  |  |  |  |
|   | (Street)                                |  | fonth/Day/Year) Applicabl<br>_X_ Forn  | n filed by One Reporting Person  |  |  |  |  |  |  |  |  |  |
| CHESHIRE  | E, CT 06410                             |  | Form Person  | Form filed by More than One Reporting Person   |  |  |  |  |  |  |  |  |  |
| (City)  | (State)                                 | (Zip) Ta   | ble I - Non-Derivative Securities Acquired, Di                                 | sposed of, or Beneficially Owned   |  |  |  |  |  |  |  |  |  |
| 1.Title of<br>Security<br>(Instr. 3)  | 2. Transaction Date<br>(Month/Day/Year) | 2 2A. Deemed<br>Execution Date, if<br>any<br>(Month/Day/Year | Code (Instr. 3, 4 and 5) Benefic Owned Follow Report                           | ies Ownership Indirect cially Form: Direct Beneficial (D) or Ownership ing Indirect (I) (Instr. 4) |  |  |  |  |  |  |  |  |  |
| Common  |   |  |  | 3 and 4)   |  |  |  |  |  |  |  |  |  |
| Stock, par<br>value<br>\$.0001 per<br>share   | 02/10/2015                              |  | S 1,990 D \$ 34,12   | 6 D  |  |  |  |  |  |  |  |  |  |

S

\$

(2)

176.91 32,219

D

1,907 D

#### Edgar Filing: ALEXION PHARMACEUTICALS INC - Form 4

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)

9. Nu Deriv Secur Bene

Follo Repo Trans (Insti

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 Exer     | cisable and | 7. Title | e and        | 8. Price of |
|-------------|-------------|---------------------|--------------------|-----------|--------------------------------|------------------|-------------|----------|--------------|-------------|
| Derivative  | Conversion  | (Month/Day/Year)    | Execution Date, if | Transac   | ctionNumber                    | Expiration D     | ate         | Amour    | nt of        | Derivative  |
| Security    | or Exercise |                     | any                | Code      | of                             | (Month/Day/      | /Year)      | Underl   | lying        | Security    |
| (Instr. 3)  | Price of    |                     | (Month/Day/Year)   | (Instr. 8 | <ol><li>B) Derivativ</li></ol> | re e             |             | Securit  | ties         | (Instr. 5)  |
|             | Derivative  |                     |                    |           | Securities                     | S                |             | (Instr.  | 3 and 4)     |             |
|             | Security    |                     |                    |           | Acquired                       |                  |             |          |              |             |
|             |             |                     |                    |           | (A) or                         |                  |             |          |              |             |
|             |             |                     |                    |           | Disposed                       |                  |             |          |              |             |
|             |             |                     |                    |           | of (D)                         |                  |             |          |              |             |
|             |             |                     |                    |           | (Instr. 3,                     |                  |             |          |              |             |
|             |             |                     |                    |           | 4, and 5)                      |                  |             |          |              |             |
|             |             |                     |                    |           |                                |                  |             |          | Amount       |             |
|             |             |                     |                    |           |                                |                  |             |          |              |             |
|             |             |                     |                    |           |                                | Date             | Expiration  |          | or<br>Number |             |
|             |             |                     |                    |           |                                | Exercisable Date | Date        |          |              |             |
|             |             |                     |                    | C- 1-     | V (A) (D)                      |                  |             |          | of           |             |
|             |             |                     |                    | Code      | V (A) (D)                      |                  |             |          | Shares       |             |

# **Reporting Owners**

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

MACKAY MARTIN C/O ALEXION PHARMACEUTICALS, INC 352 KNOTTER DRIVE CHESHIRE, CT 06410

EVP & Global Head of R&D

## **Signatures**

/s/ Michael Greco, Attorney-in-Fact for Martin Mackay

02/12/2015

\*\*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 sale was made to cover withholding taxes immediately following the vesting of previously granted Performance Stock Units.
  - This transaction was executed in multiple trades through a broker-dealer at prices ranging from \$176.89 \$176.93. The price reported in
- (2) 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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