

ALEXION PHARMACEUTICALS INC

Filed by
STATE STREET CORP

FORM SC 13G (Statement of Ownership)

Filed 02/13/18

Address	100 COLLEGE STREET NEW HAVEN, CT, 06510
Telephone	2032722596
CIK	0000899866
Symbol	ALXN
SIC Code	2834 - Pharmaceutical Preparations
Industry	Pharmaceuticals
Sector	Healthcare
Fiscal Year	12/31

**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, D.C. 20549**

SCHEDULE 13G

**UNDER THE SECURITIES EXCHANGE ACT OF 1934
ANNUAL FILING**

ALEXION PHARMACEUTICALS, INC.

(NAME OF ISSUER)

COMMON STOCK

(TITLE OF CLASS OF SECURITIES)

015351109

(CUSIP NUMBER)

12/31/2017

(DATE OF EVENT WHICH REQUIRES FILING OF THIS STATEMENT)

**CHECK THE APPROPRIATE BOX TO DESIGNATE THE RULE PURSUANT TO WHICH THIS
SCHEDULE IS FILED:**

RULE 13D-1 (B)

RULE 13D-1 (C)

RULE 13D-1 (D)

*THE REMAINDER OF THIS COVER PAGE SHALL BE FILLED OUT FOR A REPORTING PERSON'S INITIAL FILING ON THIS FORM WITH RESPECT TO THE SUBJECT CLASS OF SECURITIES, AND FOR ANY SUBSEQUENT AMENDMENT CONTAINING INFORMATION WHICH WOULD ALTER THE DISCLOSURES PROVIDED IN A PRIOR COVER PAGE.

THE INFORMATION REQUIRED IN THE REMAINDER OF THIS COVER PAGE SHALL NOT BE DEEMED TO BE "FILED" FOR THE PURPOSE OF SECTION 18 OF THE SECURITIES EXCHANGE ACT OF 1934 ("ACT") OR OTHERWISE SUBJECT TO THE LIABILITIES OF THAT SECTION OF THE ACT BUT SHALL BE SUBJECT TO ALL OTHER PROVISIONS OF THE ACT (HOWEVER, SEE THE NOTES).

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1. NAME OF REPORTING PERSON: STATE STREET CORPORATION
I.R.S. IDENTIFICATION NO. OF THE ABOVE PERSON: 04-2456637
2. CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP
NOT APPLICABLE
3. SEC USE ONLY
4. CITIZENSHIP OR PLACE OF ORGANIZATION
BOSTON, MASSACHUSETTS
5. SOLE VOTING POWER
0 SHARES
6. SHARED VOTING POWER
11,591,099
7. SOLE DISPOSITIVE POWER
0 SHARES
8. SHARED DISPOSITIVE POWER
11,591,099
9. AGGREGATED AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON
11,591,099
10. CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES
NOT APPLICABLE
11. PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9
5.19%

12. TYPE OF REPORTING PERSON
HC

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- ITEM 1.
- (A) NAME OF ISSUER
ALEXION PHARMACEUTICALS, INC.
 - (B) ADDRESS OF ISSUER'S PRINCIPAL EXECUTIVE OFFICES
100 COLLEGE STREET
NEW HAVEN CT 06510
- ITEM 2.
- (A) NAME OF PERSON FILING
STATE STREET CORPORATION AND ANY OTHER REPORTING PERSON
IDENTIFIED ON THE SECOND PART OF THE COVER PAGES HERETO
 - (B) ADDRESS OF PRINCIPAL BUSINESS OFFICE OR, IN NONE,
RESIDENCE
STATE STREET FINANCIAL CENTER
ONE LINCOLN STREET
BOSTON, MA 02111
(FOR ALL REPORTING PERSONS)
 - (C) CITIZENSHIP: SEE ITEM 4 (CITIZENSHIP OR PLACE OF
ORGANIZATION) OF COVER PAGES
 - (D) TITLE OF CLASS OF SECURITIES
COMMON STOCK
 - (E) CUSIP NUMBER:
015351109

- ITEM 3.
- IF THIS STATEMENT IS FILED PURSUANT TO RULE 13D-1(B), OR 13D-2(B) OR (C), CHECK WHETHER THE PERSON FILING IS A:
SEE ITEM 12 (TYPE OF REPORTING PERSON) OF THE COVER PAGE
FOR EACH REPORTING PERSON AND THE TABLE BELOW, WHICH EXPLAINS
THE MEANING OF THE TWO LETTER SYMBOLS APPEARING IN ITEM 12 OF
THE COVER PAGES.
- | SYMBOL | CATEGORY |
|--------|--|
| BK | BANK AS DEFINED IN SECTION 3(A) (6) OF THE ACT. |
| IC | INSURANCE COMPANY AS DEFINED IN SECTION 3 (A) (19)
OF THE ACT |
| IC | INVESTMENT COMPANY REGISTERED UNDER SECTION 8 OF
THE INVESTMENT COMPANY ACT OF 1940. |
| IA | AN INVESTMENT ADVISOR IN ACCORDANCE WITH RULE
13D-1(B) (1) (II) (E). |
| EP | AN EMPLOYEE BENEFIT PLAN OR ENDOWMENT FUND IN
ACCORDANCE WITH RULE 13D-1(B) (1) (II) (F) . |
| HC | A PARENT HOLDING COMPANY OR CONTROL PERSON IN
ACCORDANCE WITH RULE 13D-1(B) (1) (II) (G) . |
| SA | A SAVINGS ASSOCIATIONS AS DEFINED IN SECTION 3(B)
OF THE FEDERAL DEPOSIT INSURANCE ACT (12 U.S.C. 1813) . |
| CP | A CHURCH PLAN THAT IS EXCLUDED FROM THE DEFINITION OF
AN INVESTMENT COMPANY UNDER SECTION 3(C) (14) OF THE
INVESTMENT COMPANY ACT OF 1940. |

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- ITEM 4. OWNERSHIP
THE INFORMATION SET FORTH IN ROWS 5 THROUGH 11 OF THE COVER PAGE
HERETO FOR EACH OF THE REPORTING PERSONS IS INCORPORATED
HEREIN BY REFERENCE.
- ITEM 5. OWNERSHIP OF FIVE PERCENT OR LESS OF CLASS
NOT APPLICABLE
- ITEM 6. OWNERSHIP OF MORE THAN FIVE PERCENT ON BEHALF OF ANOTHER PERSON
NOT APPLICABLE
- ITEM 7. IDENTIFICATION AND CLASSIFICATION OF THE SUBSIDIARY WHICH
ACQUIRED THE SECURITY BEING REPORTED ON BY THE PARENT HOLDING
COMPANY OR CONTROL PERSON
SEE EXHIBIT 1 ATTACHED HERETO
- ITEM 8. IDENTIFICATION AND CLASSIFICATION OF MEMEBERS OF THE GROUP
NOT APPLICABLE
- ITEM 9. NOTICE OF DISSOLUTION OF GROUP
NOT APPLICABLE
- ITEM 10. CERTIFICATION

BY SIGNING BELOW I CERTIFY THAT, TO THE BEST OF MY KNOWLEDGE
AND BELIEF, THE SECURITIES REFERRED TO ABOVE WERE ACQUIRED AND ARE
HELD IN THE ORDINARY COURSE OF BUSINESS AND WERE NOT ACQUIRED AND ARE
NOT HELD FOR THE PURPOSE OR WITH THE EFFECT OF CHANGING OR INFLUENCING
THE CONTROL OF THE ISSUER OF THE SECURITIES AND WERE NOT ACQUIRED AND
ARE NOT HELD IN CONNECTION WITH OR AS A PARTICIPANT IN ANY TRANSACTION
HAVING THAT PURPOSE OR EFFECT.

SIGNATURES

AFTER REASONABLE INQUIRY AND TO THE BEST OF HIS KNOWLEDGE AND BELIEF, EACH OF THE UNDERSIGNED CERTIFIES THAT THE INFORMATION SET FORTH IN THIS STATEMENT IS TRUE, COMPLETE AND CORRECT.

FEBRUARY 14, 2018
STATE STREET CORPORATION

/S/ ELIZABETH SCHAEFER
SENIOR VICE PRESIDENT

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EXHIBIT 1

THE FOLLOWING TABLE LISTS THE IDENTITY AND ITEM 3 CLASSIFICATION OF EACH SUBSIDIARY OF STATE STREET CORPORATION, THE PARENT HOLDING COMPANY, THAT BENEFICIALLY OWNS THE ISSUER'S SECURITIES. PLEASE REFER TO ITEM 3 OF THE ATTACHED SCHEDULE 13G FOR A DESCRIPTION OF EACH OF THE TWO-LETTER SYMBOLS REPRESENTING THE ITEM 3 CLASSIFICATION BELOW.

SUBSIDIARY	ITEM 3 CLASSIFICATION
STATE STREET BANK AND TRUST COMPANY	BK
SSGA FUNDS MANAGEMENT, INC.	IA
STATE STREET GLOBAL ADVISOR TRUST COMPANY	IA
STATE STREET GLOBAL ADVISORS (JAPAN) CO., LTD.	IA
STATE STREET GLOBAL ADVISORS ASIA LTD	IA
STATE STREET GLOBAL ADVISORS FRANCE S.A.S	IA
STATE STREET GLOBAL ADVISORS SINGAPORE LTD.	IA
STATE STREET GLOBAL ADVISORS LIMITED	IA
STATE STREET GLOBAL ADVISORS GmbH	IA
STATE STREET GLOBAL ADVISORS, AUSTRALIA	IA

NOTE: ALL OF THE LEGAL ENTITIES ABOVE ARE DIRECT OR INDIRECT SUBSIDIARIES OF STATE STREET CORPORATION.