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

FORM 8-K

CURRENT REPORT

**PURSUANT TO SECTION 13 OR 15(D) OF THE
SECURITIES EXCHANGE ACT OF 1934**

Date of report (Date of earliest event reported): January 26, 2011

ALEXION PHARMACEUTICALS, INC.

(Exact name of registrant as specified in its charter)

Delaware
**(State or other jurisdiction
of incorporation or organization)**

000-27756
**(Commission
File Number)**

13-3648318
**(I.R.S. Employer
Identification No.)**

352 Knottter Drive, Cheshire, Connecticut 06410
(Address of Principal Executive Offices) (Zip Code)

Registrant's telephone number, including area code:(203) 272-2596

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions (see General Instruction A.2. below):

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
 - Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
 - Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
 - Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))
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Item 8.01 Other Events.

On January 26, 2011, Novartis Vaccines & Diagnostics, Inc., or Novartis, filed a civil action against Alexion Pharmaceuticals, Inc. and other biopharmaceuticals companies in the U.S. District Court for the District of Delaware. Novartis claims willful infringement by Alexion of U.S. Patent No. 5,688,688. Novartis seeks, among other things, monetary damages.

Signature

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

ALEXION PHARMACEUTICALS, INC.

By: /s/ Michael V. Greco

Date: January 28, 2011

Name: Michael V. Greco

Title: Associate General Counsel, Assistant Secretary