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): August 17, 2005

ALEXION PHARMACEUTICALS, INC.

(Exact name of registrant as specified in its charter)

Delaware (State or other jurisdiction of

000-27756 (Commission File Number) 13-3648318 (I.R.S. Employer

incorporation or organization)

Identification No.)

352 Knotter Drive, Cheshire, Connecticut 06410

 $(Address\ of\ Principal\ Executive\ Offices)\ (Zip\ Code)$

Registrant	s telephone numbe	er, 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))

ITEM 8.01. OTHER EVENTS.
On August 17, 2005, Alexion Pharmaceuticals, Inc. issued a press release announcing the completion of its public offering of 2,500,000 shares of common stock. A copy of that press release is filed as Exhibit 99.1 to this Report.
ITEM 9.01. FINANCIAL STATEMENTS AND EXHIBITS.
(c) Exhibits

99.1 Press Release issued by Alexion Pharmaceuticals, Inc. on August 17, 2005.

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.

Date: August 17, 2005 By: /s/ Thomas I. H. Dubin

Name: Thomas I. H. Dubin

Title: Senior Vice President and General Counsel

INDEX TO EXHIBITS

Exhibit No.	Description		
99.1	Press Release issued by Alexion Pharmaceuticals, Inc. on August 17, 2005.		