September 22, 2006

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): September 21, 2006

OSCIENT PHARMACEUTICALS CORPORATION

(Exact name of registrant as specified in its charter)

Massachusetts (State or other jurisdiction

0-10824 (Commission File Number) 04-2297484 (I.R.S. Employer

of incorporation)

1000 Winter Street, Suite 2200

Identification Number)

Waltham, Massachusetts 02451

(Address of principal executive offices, including zip code)

(781) 398-2300

(Registrant s telephone number, including area code)

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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 September 22, 2006, Oscient Pharmaceuticals Corporation issued a press release announcing that it has received an approvable letter from the U.S. Food and Drug Administration (FDA) for the supplemental New Drug Application (sNDA) seeking approval for the five-day treatment of community-acquired pneumonia (CAP) of mild to moderate severity with FACTIVE® (gemifloxacin mesylate) tablets. A copy of the press release is filed as Exhibit 99.1 to this report and incorporated herein by reference.

ITEM 9.01. FINANCIAL STATEMENTS AND EXHIBITS.

(d) Exhibits

99.1 Press Release issued by Oscient Pharmaceuticals Corporation on September 22, 2006.

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.

OSCIENT PHARMACEUTICALS CORPORATION

By: /s/ Philippe Maitre Name: Philippe Maitre

Title: Senior Vice President and Chief Financial

Officer

Date: September 22, 2006

EXHIBIT INDEX

Exhibit

Number Description

99.1 Press Release issued by Oscient Pharmaceuticals Corporation on September 22, 2006.