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)

April 3, 2006

CORTEX PHARMACEUTICALS, INC.

(Exact name of registrant as specified in its charter)

Delaware (State or other jurisdiction of

1-16467 (Commission File Number) 33-0303583 (I.R.S Employer Identification No.)

incorporation)

15241 Barranca Parkway

Irvine, California (Address of principal executive offices)

92618 (Zip Code)

Registrant s telephone number, including area code: (949) 727-3157

N/A

(Former name or former address, if changed since last report.)

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:

- 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 April 3, 2006, Cortex Pharmaceuticals, Inc., a Delaware corporation (the Company), issued a press release announcing that, pending further preclinical review, the United States Food and Drug Administration has placed a clinical hold on the Company s clinical trials of AMPAKINE CX717.

A copy of the press release is attached hereto as Exhibit 99.1 and incorporated herein by reference.

Item 9.01. Financial Statements and Exhibits.

(d) Exhibits.

Exhibit Number	Description
99.1	Press Release of Cortex Pharmaceuticals, Inc. dated April 3, 2006.

SIGNATURES

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.

Date: April 5, 2006

CORTEX PHARMACEUTICALS, INC.

By: /s/ Maria S. Messinger Maria S. Messinger

Vice President, Chief Financial Officer

and Corporate Secretary

EXHIBIT INDEX

Exhibit

Number Description

99.1 Press Release of Cortex Pharmaceuticals, Inc. dated April 3, 2006.