

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 31, 2006

ADVENTRX Pharmaceuticals, Inc.

(Exact name of registrant as specified in its charter)

Delaware

(State or other jurisdiction of incorporation)

001-32157

(Commission File Number)

84-1318182

(IRS Employer Identification No.)

**6725 Mesa Ridge Road, Suite 100
San Diego, California 92121**

(Address of principal executive offices) (Zip Code)

(858) 552-0866

(Company's telephone number, including area code)

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))
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Item 8.01. Other Events.

On January 31, 2006, the Company announced that its broad spectrum anti-viral drug Thiovir was active against various influenza A viruses in a series of independent preclinical tests.

The press release issued by the Company on January 31, 2006 with respect to this matter is included with this report as an exhibit.

Item 9.01. Financial Statements and Exhibits.

(99) (c) The exhibit list required by this item is incorporated by reference to the Exhibit Index filed as part of this report.

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.

ADVENTRX Pharmaceuticals, Inc.

By: /s/ Carrie E. Carlander

Name: Carrie E. Carlander

Title: Chief Financial Officer, Vice President
Finance, and Treasurer

January 31, 2006

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EXHIBIT INDEX

| <u>Exhibit</u> | <u>Description</u> |
|----------------|--|
| 99.1 | Press Release of the Company dated January 31, 2006. |

ADVENTRX REPORTS THIOVIR ACTIVE AGAINST VARIOUS INFLUENZA A VIRUSES IN SERIES OF INDEPENDENT PRECLINICAL TESTS

SAN DIEGO – January 31, 2006 – ADVENTRX Pharmaceuticals, Inc. (Amex: ANX) announced today that a series of independent preclinical tests confirmed inhibition of influenza A virus by the Company's broad spectrum anti-viral drug, Thiovirä. The Company is conducting preclinical research on influenza A, which includes the H5N1 avian flu strain. The tests are being conducted in collaboration with Virapur, LLC., a virology specialty company in San Diego, and lead investigator Marylou Gibson, Ph.D. The Company filed a provisional patent application with the US Patent and Trademark Office on January 27, 2006 in connection with these findings. Thiovir is a broad spectrum anti-viral agent and non-nucleoside reverse transcriptase inhibitor (NNRTI) designed for oral delivery and as a component of highly active antiretroviral therapy (HAART) for HIV/AIDS.

"Published data show that the avian influenza polymerase subsequence, PB1, is highly conserved. Since Thiovir's proposed mechanism of action is inhibition of the polymerase PB1 subunit, we began to investigate the possible use of Thiovir for avian flu," said Joan M. Robbins, Ph.D., ADVENTRX chief scientific officer and executive vice president. "Additional confirmatory tests for Thiovir in avian flu and other viruses are planned. A preclinical package for Thiovir with extensive pharmacology and toxicology studies is already in development for our HIV program and we believe this would help expedite the clinical development of Thiovir for other indications, such as in the treatment of avian flu."

About Thiovir

Thiovir is a broad spectrum anti-viral and a non-nucleoside reverse transcriptase inhibitor (NNRTI) designed for oral delivery as a component of HAART. Thiovir is a prodrug for foscarnet that delivers both the active drug TPFA (thiophosphonoformate) and the active metabolite PFA (foscarnet) in an oral formulation. Thiovir is intended to deliver the benefits of the drug foscarnet, including broad spectrum antiviral activity, with the added benefit of improved bioavailability. ADVENTRX currently plans to file an investigational new drug application with the US Food and Drug Administration in the first half of 2006 for testing of Thiovir in patients with HIV/AIDS.

About ADVENTRX

ADVENTRX Pharmaceuticals is a biopharmaceutical research and development company focused on introducing new technologies for anticancer and antiviral treatments that surpass the performance and safety of existing drugs, by addressing significant problems such as drug metabolism, toxicity, bioavailability and resistance. More information can be found on the Company's Web site at www.adventrx.com.

Forward Looking Statement

This press release contains forward-looking statements, within the meaning of the "safe harbor" provisions of the Private Securities Litigation Reform Act of 1995, regarding ADVENTRX. Such statements are made based on management's current expectations and beliefs. Actual results may vary from those currently anticipated based upon a number of factors, including uncertainties inherent in the drug development process, the timing and success of clinical trials, the validity of research results, and the receipt of necessary approvals from the FDA and other regulatory agencies. For a discussion of such risks and uncertainties, which could cause actual results to differ from those contained in the forward-looking statements regarding ADVENTRX, see the section titled "Risk Factors" in ADVENTRX's last quarterly report on Form 10-Q, as well as other reports that ADVENTRX files from time to time with the Securities and Exchange Commission. All forward-looking statements regarding ADVENTRX are qualified in their entirety by this cautionary statement. ADVENTRX undertakes no obligation to release publicly any revisions, which may be made to reflect events or circumstances after the date hereof.

Contact:

ADVENTRX Pharmaceuticals

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