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 30, 2005

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 (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))
- o Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

TABLE OF CONTENTS

<u>Items 3.02. Unregistered Sales of Equity Securities SIGNATURES</u>

Table of Contents

Item 3.02. Unregistered Sales of Equity Securities

From August 1, 2005 through August 30, 2005, we issued 766,223 shares of common stock to 16 of our warrant holders in connection with their exercise of outstanding warrants. We received gross proceeds of \$1,174,261 upon exercise of these warrants.

Pursuant to the terms of an agreement we entered into with Burnham Hill Partners, a division of Pali Capital, Inc., in March 2004, we are obligated to pay a 4% cash commission on each cash exercise of warrants issued in a financing that we consummated in April 2004. In accordance with this obligation, we owe Burnham Hill Partners approximately \$32,569 in connection with the exercises of warrants from August 1, 2005 through August 30, 2005. No other commission or other remuneration was paid or given directly or indirectly in connection with these warrant exercises. The issuances of shares of common stock upon exercise of these warrants were not registered under the Securities Act of 1933 in reliance upon Section 4(2) of such Act.

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

August 30, 2005