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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 20, 2012

ADVENTRX Pharmaceuticals, Inc.

(Exact name of registrant as specified in its charter)

Delaware

001-32157

84-1318182

(State or other jurisdiction  
of incorporation)

(Commission  
File Number)

(I.R.S. Employer  
Identification No.)

12390 El Camino Real, Suite 150, San Diego,  
California

92130

(Address of principal executive offices)

(Zip Code)

Registrant's telephone number, including area code:

858-552-0866

Not Applicable

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))
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**Item 5.03 Amendments to Articles of Incorporation or Bylaws; Change in Fiscal Year.**

Effective as of January 20, 2012, the board of directors of ADVENTRX Pharmaceuticals, Inc. (the "Company") approved an amendment to the Company's Amended and Restated Bylaws (the "Bylaws") to remove Article X, in its entirety, from the Bylaws. Article X provided that the Court of Chancery of the State of Delaware would be the exclusive forum intra-company disputes. A copy of the Certificate of Amendment of the Bylaws is attached as Exhibit 3.1 to this Current Report on Form 8-K and incorporated herein by reference.

**Item 9.01 Financial Statements and Exhibits.**

(d) Exhibits.

The list of exhibits called for by this Item is incorporated by reference to the Exhibit Index filed with this report.

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**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.

January 23, 2012

By: */s/ Patrick L. Keran*

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*Name: Patrick L. Keran*  
*Title: President and Chief Operating Officer*

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Exhibit Index

<u>Exhibit No.</u>	<u>Description</u>
3.1	Certificate of Amendment of the Amended and Restated Bylaws of the registrant, dated January 20, 2012

**CERTIFICATE OF AMENDMENT  
OF THE  
AMENDED AND RESTATED BYLAWS  
OF  
ADVENTRX PHARMACEUTICALS, INC.  
(a Delaware corporation)**

The undersigned hereby certifies that:

1. I am now and at all times herein mentioned have been the duly elected, qualified and acting secretary of ADVENTRX Pharmaceuticals, Inc., a Delaware corporation (the "Company").

2. By resolutions unanimously adopted by the Board of Directors of the Company (the "Board") by written consent effective as of January 20, 2012, Article X – Forum for Adjudication of Disputes shall be removed in its entirety from the Amended and Restated Bylaws of the Company.

3. The resolutions adopted by the Board as of January 20, 2012 have not been modified or rescinded and are, at the date of this Certificate of Amendment, in full force and effect.

**IN WITNESS WHEREOF**, the undersigned has executed this Certificate of Amendment effective as of January 20, 2012.

By: ADVENTRX PHARMACEUTICALS, INC.  
/s/ Patrick L. Keran  
Patrick L. Keran  
*President, Chief Operating Officer and Secretary*