

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

SCHEDULE 13G

Under the Securities Exchange Act of 1934
(Amendment No. 01)*

ADVENTRX PHARMACEUTICALS INC

(Name of Issuer)

Common Stock

(Title of Class of Securities)

00764X202

(CUSIP Number)

December 31, 2011

(Date of Event Which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

- Rule 13d-1(b)
- Rule 13d-1(c)
- Rule 13d-1(d)

* The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

CUSIP
No.

00764X202

| | |
|--|---|
| 1 | NAMES OF REPORTING PERSONS I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY) Ayer Capital Management, LP |
| 2 | CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS) (a) <input type="radio"/> (b) <input type="radio"/> |
| 3 | SEC USE ONLY |
| 4 | CITIZENSHIP OR PLACE OF ORGANIZATION Delaware, USA |
| NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH: | 5 SOLE VOTING POWER 0 |
| | 6 SHARED VOTING POWER 1,001,238 |
| | 7 SOLE DISPOSITIVE POWER 0 |
| | 8 SHARED DISPOSITIVE POWER 1,001,238 |
| 9 | AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 1,001,238 |
| 10 | CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS) <input type="radio"/> |
| 11 | PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 2.10% |
| 12 | TYPE OF REPORTING PERSON (SEE INSTRUCTIONS) IA |

FOOTNOTES

CUSIP
No.

00764X202

| | |
|--|---|
| 1 | NAMES OF REPORTING PERSONS I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY) ACM Capital Partners, LLC |
| 2 | CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS) (a) <input type="checkbox"/> (b) <input type="checkbox"/> |
| 3 | SEC USE ONLY |
| 4 | CITIZENSHIP OR PLACE OF ORGANIZATION Delaware, USA |
| NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH: | 5 SOLE VOTING POWER 0 |
| | 6 SHARED VOTING POWER 1,001,238 |
| | 7 SOLE DISPOSITIVE POWER 0 |
| | 8 SHARED DISPOSITIVE POWER 1,001,238 |
| 9 | AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 1,001,238 |
| 10 | CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS) <input type="checkbox"/> |
| 11 | PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 2.10% |
| 12 | TYPE OF REPORTING PERSON (SEE INSTRUCTIONS) HC |

FOOTNOTES

CUSIP
No.

00764X202

| | |
|--|---|
| 1 | NAMES OF REPORTING PERSONS I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY) Jay Venkatesan |
| 2 | CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS) (a) <input type="radio"/> (b) <input type="radio"/> |
| 3 | SEC USE ONLY |
| 4 | CITIZENSHIP OR PLACE OF ORGANIZATION USA |
| NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH: | 5 SOLE VOTING POWER 0 |
| | 6 SHARED VOTING POWER 1,001,238 |
| | 7 SOLE DISPOSITIVE POWER 0 |
| | 8 SHARED DISPOSITIVE POWER 1,001,238 |
| 9 | AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 1,001,238 |
| 10 | CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS) <input type="radio"/> |
| 11 | PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 2.10% |
| 12 | TYPE OF REPORTING PERSON (SEE INSTRUCTIONS) HC |

FOOTNOTES

Item 1.

- (a) Name of Issuer
ADVENTRX PHARMACEUTICALS INC
- (b) Address of Issuer's Principal Executive Offices
12390 EL CAMINO REAL
SUITE 150
SAN DIEGO CA 92130

Item 2.

- (a) Name of Person Filing
Ayer Capital Management, LP
ACM Capital Partners, LLC
Jay Venkatesan
- (b) Address of Principal Business Office or, if none, Residence
230 California, Suite 600
San Francisco, CA 94111
- (c) Citizenship
Ayer Capital Management, LP - Delaware, USA
ACM Capital Partners, LLC - Delaware, USA
Jay Venkatesan - USA
- (d) Title of Class of Securities
Common Stock
- (e) CUSIP Number
00764X202

Item 3. If this statement is filed pursuant to §§240.13d-1(b) or 240.13d-2(b) or (c), check whether the person filing is a:

- (a) Broker or dealer registered under section 15 of the Act (15 U.S.C. 78o).
 - (b) Bank as defined in section 3(a)(6) of the Act (15 U.S.C. 78c).
 - (c) Insurance company as defined in section 3(a)(19) of the Act (15 U.S.C. 78c).
 - (d) Investment company registered under section 8 of the Investment Company Act of 1940 (15 U.S.C. 80a-8).
 - (e) An investment adviser in accordance with §240.13d-1(b)(1)(ii)(E);
 - (f) An employee benefit plan or endowment fund in accordance with §240.13d-1(b)(1)(ii)(F);
 - (g) A parent holding company or control person in accordance with § 240.13d-1(b)(1)(ii)(G);
 - (h) A savings associations as defined in Section 3(b) of the Federal Deposit Insurance Act (12 U.S.C. 1813);
 - (i) A church plan that is excluded from the definition of an investment company under section 3(c)(14) of the Investment Company Act of 1940 (15 U.S.C. 80a-3);
 - (j) A non-U.S. institution in accordance with § 240.13d-1(b)(1)(ii)(J).
 - (k) A group, in accordance with § 240.13d-1(b)(1)(ii)(K). If filing as a non-U.S. institution in accordance with § 240.13d-1(b)(1)(ii)(J), please specify the type of institution:
-

Item 4. Ownership.

Provide the following information regarding the aggregate number and percentage of the class of securities of the issuer identified in Item 1.

- (a) Amount beneficially owned: 1,001,238
- (b) Percent of class: 2.10
- (c) Number of shares as to which the person has:
 - (i) Sole power to vote or to direct the vote: 0
 - (ii) Shared power to vote or to direct the vote: 1,001,238
 - (iii) Sole power to dispose or to direct the disposition of: 0
 - (iv) Shared power to dispose or to direct the disposition of: 1,001,238

Item 5. Ownership of Five Percent or Less of a Class

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following x .

All reporting persons have ceased to be the beneficial owner of more than five percent of the class of securities.

Item 6. Ownership of More than Five Percent on Behalf of Another Person.

Not applicable.

Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on By the Parent Holding Company

Not applicable.

Item 8. Identification and Classification of Members of the Group

Not applicable.

Item 9. Notice of Dissolution of Group

Not applicable.

Item Certification
10.

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Ayer Capital Management, LP

Date: April 03, 2012

By: /s/ Jay Venkatesan
Name: Jay Venkatesan
Title: Managing Member

ACM Capital Partners, LLC

Date: April 03, 2012

By: /s/ Jay Venkatesan
Name: Jay Venkatesan
Title: Managing Member

Date: April 03, 2012

By: /s/ Jay Venkatesan
Name: Jay Venkatesan
Title: Jay Venkatesan

Footnotes:

Attention: Intentional misstatements or omissions of fact constitute Federal criminal violations (See 18 U.S.C. 1001)
