

THREE ARCH ASSOCIATES IV LP  
Form 4  
December 11, 2012

**FORM 4**

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

OMB APPROVAL

OMB Number: 3235-0287  
Expires: January 31, 2015  
Estimated average burden hours per response... 0.5

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES**

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person \*  
WAN MARK A

2. Issuer Name and Ticker or Trading Symbol  
ACELRX PHARMACEUTICALS INC [ACRX]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)

3. Date of Earliest Transaction (Month/Day/Year)  
12/07/2012

Director  10% Owner  
 Officer (give title below)  Other (specify below)

3200 ALPINE ROAD

(Street)

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)  
 Form filed by One Reporting Person  
 Form filed by More than One Reporting Person

PORTOLA VALLEY, CA 94028

(City) (State) (Zip)

**Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned**

| 1. Title of Security (Instr. 3) | 2. Transaction Date (Month/Day/Year) | 2A. Deemed Execution Date, if any (Month/Day/Year) | 3. Transaction Code (Instr. 8) | 4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Indirect Beneficial Ownership (Instr. 4) |           |   |                  |
|---------------------------------|--------------------------------------|----------------------------------------------------|--------------------------------|-------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------|-----------|---|------------------|
|                                 |                                      |                                                    | Code                           | V                                                                 | Amount                                                                                        | (A) or (D)                                               | Price                                                 |           |   |                  |
| Common Stock                    | 12/07/2012                           |                                                    | P                              |                                                                   | 2,364,705                                                                                     | A                                                        | \$ 3.31                                               | 6,323,534 | I | See Footnote (3) |
| Common Stock                    | 12/07/2012                           |                                                    | P                              |                                                                   | 52,213                                                                                        | A                                                        | \$ 3.31                                               | 139,621   | I | See Footnote (4) |
| Common Stock                    |                                      |                                                    |                                |                                                                   |                                                                                               |                                                          |                                                       | 3,704,712 | I | See Footnote (1) |
| Common Stock                    |                                      |                                                    |                                |                                                                   |                                                                                               |                                                          |                                                       | 199,174   | I | See Footnote     |

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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SEC 1474  
(9-02)

**Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned**  
(e.g., puts, calls, warrants, options, convertible securities)

| 1. Title of Derivative Security (Instr. 3) | 2. Conversion or Exercise Price of Derivative Security | 3. Transaction Date (Month/Day/Year) | 3A. Deemed Execution Date, if any (Month/Day/Year) | 4. Transaction Code (Instr. 8) | 5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) | 6. Date Exercisable and Expiration Date (Month/Day/Year) | 7. Title and Amount of Underlying Securities (Instr. 3 and 4) | 8. Price of Derivative Security (Instr. 5) | 9. Number of Derivative Securities Beneficially Owned (Instr. 6) |
|--------------------------------------------|--------------------------------------------------------|--------------------------------------|----------------------------------------------------|--------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------------|--------------------------------------------|------------------------------------------------------------------|
|                                            |                                                        |                                      |                                                    | Code                           | V (A) (D)                                                                               | Date Exercisable                                         | Expiration Date                                               | Title                                      | Amount or Number of Shares                                       |

## Reporting Owners

| Reporting Owner Name / Address                                               | Relationships |           |         |       |
|------------------------------------------------------------------------------|---------------|-----------|---------|-------|
|                                                                              | Director      | 10% Owner | Officer | Other |
| WAN MARK A<br>3200 ALPINE ROAD<br>PORTOLA VALLEY, CA 94028                   | X             | X         |         |       |
| JAEGER WILFRED E<br>3200 ALPINE DRIVE<br>PORTOLA VALLEY, CA 94028            |               |           | X       |       |
| THREE ARCH PARTNERS III LP<br>3200 ALPINE DRIVE<br>PORTOLA VALLEY, CA 94028  |               | X         |         |       |
| THREE ARCH ASSOCIATES III LP<br>3200 ALPINE ROAD<br>PORTOLA VALLEY, CA 94028 |               | X         |         |       |
| THREE ARCH PARTNERS IV LP<br>3200 ALPINE ROAD<br>PORTOLA VALLEY, CA 94028    |               | X         |         |       |
|                                                                              |               |           | X       |       |

THREE ARCH ASSOCIATES IV LP  
 3200 ALPINE ROAD  
 PORTOLA VALLEY, CA 94028

## Signatures

|                                                                                       |            |
|---------------------------------------------------------------------------------------|------------|
| /s/ Steve Agelopoulos, Attorney-in-Fact for Mark A. Wan                               | 12/07/2012 |
| __Signature of Reporting Person                                                       | Date       |
| /s/ Steve Agelopoulos, Attorney-in-Fact for Wilf Jaeger                               | 12/07/2012 |
| __Signature of Reporting Person                                                       | Date       |
| /s/ Steve Agelopoulos, Attorney-in-Fact for the GP of Three Arch Partners IV, L.P.    | 12/07/2012 |
| __Signature of Reporting Person                                                       | Date       |
| /s/ Steve Agelopoulos, Attorney-in-Fact for the GP of Three Arch Partners III, L.P.   | 12/07/2012 |
| __Signature of Reporting Person                                                       | Date       |
| /s/ Steve Agelopoulos, Attorney-in-Fact for the GP of Three Arch Associates IV, L.P.  | 12/07/2012 |
| __Signature of Reporting Person                                                       | Date       |
| /s/ Steve Agelopoulos, Attorney-in-Fact for the GP of Three Arch Associates III, L.P. | 12/07/2012 |
| __Signature of Reporting Person                                                       | Date       |

## Explanation of Responses:

\* If the form is filed by more than one reporting person, *see* Instruction 4(b)(v).

\*\* Intentional misstatements or omissions of facts constitute Federal Criminal Violations. *See* 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

(1) The shares are held by Three Arch Partners III, L.P. ("TAP III"). Three Arch Management III, L.L.C. ("TAM III"), the general partner of TAP III, has sole voting and dispositive power with respect to the securities held by TAP III. Mark A. Wan and Wilfred Jaeger, the managing members of TAM III, share the voting and dispositive power with respect to the shares hld by TAP III. Such persons and entities disclaim beneficial ownership of the shares held by TAP III except to the extent of any pecuniary interest therein.

(2) The shares are held by Three Arch Associates III, L.P. ("TAA III"). TAM III, the general partner of TAA III, has sole voting and dispositive power with respect to the securities held by TAA III. Mark A. Wan and Wilfred Jaeger, the managing members of TAM III, share the voting and dispositive power with respect to the shares hld by TAA III. Such persons and entities disclaim beneficial ownership of the shares held by TAA III except to the extent of any pecuniary interest therein.

(3) The shares are held by Three Arch Partners IV, L.P. ("TAP IV"). Three Arch Management IV, L.L.C. ("TAM IV"), the general partner of TAP IV, has sole voting and dispositive power with respect to the securities held by TAP IV. Mark A. Wan and Wilfred Jaeger, the managing members of TAM IV, share the voting and dispositive power with respect to the shares hld by TAP IV. Such persons and entities disclaim beneficial ownership of the shares held by TAP IV except to the extent of any pecuniary interest therein.

(4) The shares are held by Three Arch Associates IV, L.P. ("TAA IV"). TAM IV, the general partner of TAA IV, has sole voting and dispositive power with respect to the securities held by TAA IV. Mark A. Wan and Wilfred Jaeger, the managing members of TAM IV, share the voting and dispositive power with respect to the shares hld by TAA IV. Such persons and entities disclaim beneficial ownership of the shares held by TAA IV except to the extent of any pecuniary interest therein.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.

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