

THREE ARCH ASSOCIATES IV LP  
 Form 4/A  
 June 06, 2012

**FORM 4** UNITED STATES SECURITIES AND EXCHANGE COMMISSION  
 Washington, D.C. 20549

OMB APPROVAL

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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)  
 05/29/2012

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

3200 ALPINE ROAD

(Street)

4. If Amendment, Date Original Filed(Month/Day/Year)  
 05/31/2012

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 Ownership (Instr. 4) |           |   |                                 |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|--|-----------------------------------|-----------|---|---------------------------------|
|                                 |                                      |  | Code                           | V   | Amount  | (A) or (D)   | Price                             |           |   |                                 |
| Common Stock                    | 05/29/2012                           |  | P                              |   | 67,543  | A  | \$ 3.4                            | 3,704,712 | I | See Footnote (1) <sup>(1)</sup> |
| Common Stock                    | 05/29/2012                           |  | P                              |   | 3,631   | A  | \$ 3.4                            | 199,174   | I | See Footnote (2) <sup>(2)</sup> |
| Common Stock                    | 05/29/2012                           |  | P                              |   | 208,911   | A  | \$ 3.4                            | 3,958,829 | I | See Footnote (3) <sup>(3)</sup> |
| Common Stock                    | 05/29/2012                           |  | P                              |   | 4,613   | A  | \$ 3.4                            | 87,408    | I | See Footnote                    |

(4) (4)

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

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(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) |                 |              |                      |
|--|--|--------------------------------------|--|--------------------------------|---|--|-----|---|-----------------|--------------|----------------------|
|  |  |                                      |  | Code                           | V   | (A)  | (D) | Date Exercisable  | Expiration Date | Title        | Amount Number Shares |
| Warrant to purchase Common Stock           | \$ 3.4   | 05/29/2012                           |  | P                              |   | 60,789   |     | 11/29/2012  | 11/29/2017      | Common Stock | 60,789               |
| Warrant to purchase Common Stock           | \$ 3.4   | 05/29/2012                           |  | P                              |   | 3,268  |     | 11/29/2012  | 11/29/2017      | Common Stock | 3,268                |
| Warrant to purchase Common Stock           | \$ 3.4   | 05/29/2012                           |  | P                              |   | 188,020  |     | 11/29/2012  | 11/29/2017      | Common Stock | 188,020              |
| Warrant to purchase Common Stock           | \$ 3.4   | 05/29/2012                           |  | P                              |   | 4,151  |     | 11/29/2012  | 11/29/2017      | Common Stock | 4,151                |

## Reporting Owners

| Reporting Owner Name / Address | Relationships |           |         |       |
|--------------------------------|---------------|-----------|---------|-------|
|                                | Director      | 10% Owner | Officer | Other |
| WAN MARK A                     | X             | X         |         |       |

3200 ALPINE ROAD  
PORTOLA VALLEY, CA 94028

JAEGER WILFRED E  
3200 ALPINE DRIVE X  
PORTOLA VALLEY, CA 94028

THREE ARCH PARTNERS III LP  
3200 ALPINE DRIVE X  
PORTOLA VALLEY, CA 94028

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

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

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

## Signatures

/s/ Steve Agelopoulos,  
Attorney-in-Fact 06/06/2012

\_\_Signature of Reporting Person Date

/s/ Steve Agelopoulos,  
Attorney-in-Fact 06/06/2012

\_\_Signature of Reporting Person Date

/s/ Steve Agelopoulos,  
Attorney-in-Fact 06/06/2012

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/s/ Steve Agelopoulos,  
Attorney-in-Fact 06/06/2012

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Attorney-in-Fact 06/06/2012

\_\_Signature of Reporting Person Date

/s/ Steve Agelopoulos,  
Attorney-in-Fact 06/06/2012

\_\_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.

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- (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.

### Remarks:

This is an amendment to the Form 4 filed on May 31, 2012, which inadvertently contained the incorrect EDGAR codes for Th

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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