

THREE ARCH PARTNERS IV LP  
Form SC 13D/A  
June 08, 2012

SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

Schedule 13D

INFORMATION TO BE INCLUDED IN STATEMENTS FILED PURSUANT TO RULES 13d-1 (a) AND  
AMENDMENTS THERETO FILED PURSUANT TO 13d-2 (a)

(AMENDMENT NO. 1)\*

**AcelRx Pharmaceuticals, Inc.**

(Name of Issuer)

Common Stock

(Title of Class of Securities)

00444T100

(CUSIP Number)

Mark Wan

c/o Three Arch Partners

3200 Alpine Road

Portola Valley, California 94028

(650) 529-8000

(Name, Address and Telephone Number of Person Authorized to Receive Notices and Communications)

**COPY TO:**

Sean Caplice, Esq.

c/o Gunderson Dettmer Stough Villeneuve Franklin & Hachigian, LLP

1200 Seaport Boulevard, Redwood City, California 94063

(650) 321-2400

May 29, 2012

(Date of Event Which Requires Filing of this Statement)

If the filing person has previously filed a statement on Schedule 13G to report the acquisition that is the subject of this Schedule 13D, and is filing this schedule because of Rule 13d-1(e), 13d-1(f) or 13d-1(g), check the following box .

Note: Schedules filed in paper format shall include a signed original and five copies of the schedule, including all exhibits. See Rule 13d-7 for other parties to whom copies are to be sent.

\* 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 disclosures provided in the cover page.

The information required on the remainder of this cover page shall not be deemed to be “filed” for the purposes 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).

**(Continued on following pages)**

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NAME OF REPORTING PERSONS

1 Three Arch Partners IV, L.P. (the "TAP IV")

CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions)

(a)

2

(b)

3 SEC USE ONLY

SOURCE OF FUNDS

4 WC

CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED

PURSUANT TO ITEMS 2(d) OR 2(e)

5

6 CITIZENSHIP OR PLACE OF ORGANIZATION

Delaware

SOLE VOTING POWER

NUMBER OF  
SHARES

7

BENEFICIALLY  
OWNED BY EACH  
REPORTING

8

PERSON

9

WITH

4,146,849 shares (including 188,020 shares represented by warrants exercisable on November 29, 2012), except that Three Arch Management IV, L.L.C. (the "TAM IV") is the general partner of TAP IV and may be deemed to have sole power to vote these shares, and Mark Wan ("Wan") and Wilfred Jaeger ("Jaeger") are the managing members of TAM IV and may be deemed to have shared power to vote these shares.

SHARED VOTING POWER

See response to row 7.

SOLE DISPOSITIVE POWER

4,146,849 shares (including 188,020 shares represented by warrants exercisable on November 29, 2012), except that TAM IV is the general partner of TAP IV and may be

deemed to have sole power to dispose of these shares, and Wan and Jaeger are the managing members of TAM IV and may be deemed to have shared power to dispose of these shares.

<sup>10</sup> SHARED DISPOSITIVE POWER

See response to row 9.

AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

11

4,146,849

CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (See Instructions)

12

PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

13

20.9%

TYPE OF REPORTING PERSON (See Instructions)

14

PN

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1 NAME OF REPORTING PERSONS

Three Arch Associates IV, L.P. ("TAA IV")

CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions)

(a)

2

(b)

3 SEC USE ONLY

SOURCE OF FUNDS

4 WC

CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED

PURSUANT TO ITEMS 2(d) OR 2(e)

5

6 CITIZENSHIP OR PLACE OF ORGANIZATION

Delaware

NUMBER OF  
SHARES  
BENEFICIALLY  
OWNED BY EACH  
REPORTING  
PERSON  
WITH

7 SOLE VOTING POWER

91,559 shares (including 4,151 shares represented by warrants exercisable on November 29, 2012), except that TAM IV is the general partner of TAA IV and may be deemed to have sole power to vote these shares, and Wan and Jaeger are the managing members of TAM IV and may be deemed to have shared power to vote these shares.

8 SHARED VOTING POWER

See response to row 7.

9 SOLE DISPOSITIVE POWER

91,559 shares (including 4,151 shares represented by warrants exercisable on November 29, 2012), except that TAM IV is the general partner of TAA IV and may be deemed to have sole power to dispose of these shares, and Wan and Jaeger are the managing members of

TAM IV and may be deemed to have shared power to dispose of these shares.

10 SHARED DISPOSITIVE POWER

See response to row 9.

AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH  
REPORTING PERSON

11

91,559

CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9)  
EXCLUDES CERTAIN SHARES (See Instructions)

12

PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

13

0.5%

TYPE OF REPORTING PERSON (See Instructions)

14

PN

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NAME OF REPORTING PERSONS

1 Three Arch Management IV, L.L.C. ("TAM IV")

CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions)

(a)

2

(b)

3 SEC USE ONLY

SOURCE OF FUNDS

4

WC

CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED

PURSUANT TO ITEMS 2(d) OR 2(e)

5

6 CITIZENSHIP OR PLACE OF ORGANIZATION

Delaware

NUMBER OF  
SHARES  
BENEFICIALLY  
OWNED BY EACH  
REPORTING  
PERSON  
WITH

7 SOLE VOTING POWER

4,238,408 shares (including 188,020 shares represented by warrants exercisable on November 29, 2012 by TAP IV and 4,151 shares represented by warrants exercisable on November 29, 2012 by TAA IV), of which 4,146,849 are directly owned by TAP IV and 91,559 are directly owned by TAA IV. TAM IV is the general partner of each of TAP IV and TAA IV and may be deemed to have sole power to vote these shares. Wan and Jaeger are the managing members of TAM IV and may be deemed to have shared power to vote these shares.

8 SHARED VOTING POWER

See response to row 7.

9 SOLE DISPOSITIVE POWER

4,238,408 shares (including 188,020 shares represented by warrants exercisable on November



29, 2012 by TAP IV and 4,151 shares represented by warrants exercisable on November 29, 2012 by TAA IV), of which 4,146,849 are directly owned by TAP IV and 91,559 are directly owned by TAA IV. TAM IV is the general partner of each of TAP IV and TAA IV and may be deemed to have sole power to dispose of these shares. Wan and Jaeger are the managing members of TAM IV and may be deemed to have shared power to dispose of these shares.

<sup>10</sup> SHARED DISPOSITIVE POWER  
See response to row 9.

AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

11

4,238,408

CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (See Instructions)

12

PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

13

21.3%

TYPE OF REPORTING PERSON (See Instructions)

14

OO

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NAME OF REPORTING PERSONS

1 Three Arch Partners III, L.P. (the "TAP III")

CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions)

(a)

2

(b)

3 SEC USE ONLY

SOURCE OF FUNDS

4 WC

CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED

PURSUANT TO ITEMS 2(d) OR 2(e)

5

6 CITIZENSHIP OR PLACE OF ORGANIZATION

Delaware

SOLE VOTING POWER

NUMBER OF  
SHARES  
BENEFICIALLY  
OWNED BY EACH  
REPORTING  
PERSON  
WITH

7 3,765,501 shares (including 60,789 shares represented by warrants exercisable on November 29, 2012), except that Three Arch Management III, L.L.C. (the "TAM III") is the general partner of TAP III and may be deemed to have sole power to vote these shares, and Wan and Jaeger are the managing members of TAM III and may be deemed to have shared power to vote these shares.

8 SHARED VOTING POWER

See response to row 7.

9 SOLE DISPOSITIVE POWER

3,765,501 shares (including 60,789 shares represented by warrants exercisable on November 29, 2012), except that TAM III is the general partner of TAP III and may be deemed to have

sole power to dispose of these shares, and Wan and Jaeger are the managing members of TAM III and may be deemed to have shared power to dispose of these shares.

**10 SHARED DISPOSITIVE POWER**

See response to row 9.

**AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON**

11

3,765,501

**CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (See Instructions)**

12

**PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)**

13

19.1%

**TYPE OF REPORTING PERSON (See Instructions)**

14

PN

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NAME OF REPORTING PERSONS

1 Three Arch Associates III, L.P. ("TAA III")

CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions)

(a)

2

(b)

3 SEC USE ONLY

SOURCE OF FUNDS

4 WC

CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED

PURSUANT TO ITEMS 2(d) OR 2(e)

5

6 CITIZENSHIP OR PLACE OF ORGANIZATION

Delaware

NUMBER OF  
SHARES  
BENEFICIALLY  
OWNED BY EACH  
REPORTING  
PERSON  
WITH

SOLE VOTING POWER

7 202,442 shares (including 3,268 shares represented by warrants exercisable on November 29, 2012), except that TAM III is the general partner of TAA III and may be deemed to have sole power to vote these shares, and Wan and Jaeger are the managing members of TAM III and may be deemed to have shared power to vote these shares.

8 SHARED VOTING POWER

See response to row 7.

9 SOLE DISPOSITIVE POWER

202,442 shares (including 3,268 shares represented by warrants exercisable on November 29, 2012), except that TAM III is the general partner of TAA III and may be deemed to have sole power to dispose of these shares, and Wan and Jaeger are the managing members of

TAM III and may be deemed to have shared power to dispose of these shares.

10 SHARED DISPOSITIVE POWER

See response to row 9.

AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH  
REPORTING PERSON

11

202,442

CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9)  
EXCLUDES CERTAIN SHARES (See Instructions)

12

PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

13

1.0%

TYPE OF REPORTING PERSON (See Instructions)

14

PN

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NAME OF REPORTING PERSONS

1 Three Arch Management III, L.L.C. ("TAM III")

CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions)

(a)

2

(b)

3 SEC USE ONLY

SOURCE OF FUNDS

4

WC

CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED

PURSUANT TO ITEMS 2(d) OR 2(e)

5

6 CITIZENSHIP OR PLACE OF ORGANIZATION

Delaware

NUMBER OF  
SHARES  
BENEFICIALLY  
OWNED BY EACH  
REPORTING  
PERSON  
WITH

7 SOLE VOTING POWER

3,967,943 shares (including 60,789 shares represented by warrants exercisable on November 29, 2012 by TAP III and 3,268 shares represented by warrants exercisable on November 29, 2012 by TAA III), of which 3,765,501 are directly owned by TAP III and 202,442 are directly owned by TAA III. TAM III is the general partner of each of TAP III and TAA III and may be deemed to have sole power to vote these shares. Wan and Jaeger are the managing members of TAM III and may be deemed to have shared power to vote these shares.

8 SHARED VOTING POWER

See response to row 7.

9 SOLE DISPOSITIVE POWER

3,967,943 shares (including 60,789 shares represented by warrants exercisable on November

29, 2012 by TAP III and 3,268 shares represented by warrants exercisable on November 29, 2012 by TAA III), of which 3,765,501 are directly owned by TAP III and 202,442 are directly owned by TAA III. TAM III is the general partner of each of TAP III and TAA III and may be deemed to have sole power to dispose of these shares. Wan and Jaeger are the managing members of TAM III and may be deemed to have shared power to dispose of these shares.

<sup>10</sup> SHARED DISPOSITIVE POWER  
See response to row 9.

AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

11

3,967,943

CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (See Instructions)

12

PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

13

20.1%

TYPE OF REPORTING PERSON (See Instructions)

14

OO

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NAME OF REPORTING PERSONS

1 I.R.S. IDENTIFICATION NO. OF ABOVE PERSON (Entities Only).

Mark Wan (“Wan”)

CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions)

(a)

2

(b)

3 SEC USE ONLY

SOURCE OF FUNDS

4

WC

CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED

5 PURSUANT TO ITEMS 2(d) OR 2(e)

6 CITIZENSHIP OR PLACE OF ORGANIZATION

United States

7 SOLE VOTING POWER

0 shares.

SHARED VOTING POWER

8,206,351 shares (including 188,020 shares represented by warrants exercisable on November 29, 2012 by TAP IV; 4,151 shares represented by warrants exercisable on November 29, 2012 by TAA IV; 60,789 shares represented by warrants exercisable on November 29, 2012 by TAP III; and 3,268 shares represented by warrants exercisable on November 29, 2012 by TAA III), of which 4,146,849 are directly owned by TAP IV, 91,559 are directly owned by TAA IV, 3,765,501 are directly owned by TAP III and 202,442 are directly owned by TAA III. TAM IV, the general partner of each of TAP IV and TAA IV, may be deemed to have the sole power to vote the shares held by TAP IV and TAA IV. TAM III, the general partner of each of TAP III and TAA III, may be deemed to have the sole power to vote the shares held by TAP III and TAA III. Wan is a managing member of TAM IV and TAM III, and may be deemed to have shared power to vote the shares held by TAP IV, TAA IV, TAP III and TAA III.

9 SOLE DISPOSITIVE POWER

0 shares.

NUMBER OF  
SHARES  
BENEFICIALLY  
OWNED BY  
EACH  
REPORTING  
PERSON  
WITH



SHARED DISPOSITIVE POWER

8,206,351 shares (including 188,020 shares represented by warrants exercisable on November 29, 2012 by TAP IV; 4,151 shares represented by warrants exercisable on November 29, 2012 by TAA IV; 60,789 shares represented by warrants exercisable on November 29, 2012 by TAP III; and 3,268 shares represented by warrants exercisable on November 29, 2012 by TAA III), of which 4,146,849 are directly owned by TAP IV, 91,559 are directly owned by TAA IV, 103,765,501 are directly owned by TAP III and 202,442 are directly owned by TAA III. TAM IV, the general partner of each of TAP IV and TAA IV, may be deemed to have the sole power to dispose of the shares held by TAP IV and TAA IV. TAM III, the general partner of each of TAP III and TAA III, may be deemed to have the sole power to dispose of the shares held by TAP III and TAA III. Wan is a managing member of TAM IV and TAM III, and may be deemed to have shared power to dispose of the shares held by TAP IV, TAA IV, TAP III and TAA III.

AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

11

8,206,351

CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (See Instructions)

12

PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

13

41.1%

TYPE OF REPORTING PERSON (See Instructions)

14

IN

CUSIP No. 00444T100 13D Page 9 of 12 Pages

NAME OF REPORTING PERSONS

1 I.R.S. IDENTIFICATION NO. OF ABOVE PERSON (Entities Only).

Wilfred Jaeger (“Jaeger”)

CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions)

(a)

2

(b)

3 SEC USE ONLY

SOURCE OF FUNDS

4

WC

CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED

PURSUANT TO ITEMS 2(d) OR 2(e)

5

6 CITIZENSHIP OR PLACE OF ORGANIZATION

United States

7 SOLE VOTING POWER

0 shares.

8 SHARED VOTING POWER

8,206,351 shares (including 188,020 shares represented by warrants exercisable on November 29, 2012 by TAP IV; 4,151 shares represented by warrants exercisable on November 29, 2012 by TAA IV; 60,789 shares represented by warrants exercisable on November 29, 2012 by TAP III; and 3,268 shares represented by warrants exercisable on November 29, 2012 by TAA III), of which 4,146,849 are directly owned by TAP IV, 91,559 are directly owned by TAA IV, 3,765,501 are directly owned by TAP III and 202,442 are directly owned by TAA III. TAM IV, the general partner of each of TAP IV and TAA IV, may be deemed to have the sole power to vote the shares held by TAP IV and TAA IV. TAM III, the general partner of each of TAP III and TAA III, may be deemed to have the sole power to vote the shares held by TAP III and TAA III. Jaeger is a managing member of TAM IV and TAM III, and may be deemed to have shared power to vote the shares held by TAP IV, TAA IV, TAP III and TAA III.

NUMBER OF  
SHARES  
BENEFICIALLY  
OWNED BY  
EACH  
REPORTING  
PERSON  
WITH

9 SOLE DISPOSITIVE POWER

0 shares.

SHARED DISPOSITIVE POWER

8,206,351 shares (including 188,020 shares represented by warrants exercisable on November 29, 2012 by TAP IV; 4,151 shares represented by warrants exercisable on November 29, 2012 by TAA IV; 60,789 shares represented by warrants exercisable on November 29, 2012 by TAP III; and 3,268 shares represented by warrants exercisable on November 29, 2012 by TAA III), of which 4,146,849 are directly owned by TAP IV, 91,559 are directly owned by TAA IV, 103,765,501 are directly owned by TAP III and 202,442 are directly owned by TAA III. TAM IV, the general partner of each of TAP IV and TAA IV, may be deemed to have the sole power to dispose of the shares held by TAP IV and TAA IV. TAM III, the general partner of each of TAP III and TAA III, may be deemed to have the sole power to dispose of the shares held by TAP III and TAA III. Jaeger is a managing member of TAM IV and TAM III, and may be deemed to have shared power to dispose of the shares held by TAP IV, TAA IV, TAP III and TAA III.

AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

11

8,206,351

CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (See Instructions)

12

PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

13

41.1%

TYPE OF REPORTING PERSON (See Instructions)

14

IN

CUSIP No. 00444T100 13D Page 10 of 12 Pages

### **Statement on Schedule 13D**

This Amendment No. 1 to Schedule 13D is filed to report the aggregate purchases of 284,698 shares of Common Stock and warrants representing 256,228 shares of Common Stock of AcetRx Pharmaceuticals, Inc., a Delaware corporation by the Reporting Persons on May 29, 2012. This Amendment No. 1 supplements and amends the Schedule 13D originally filed with the Securities and Exchange Commission on February 25, 2011 (the "Schedule 13D"). Only those items that are hereby reported are amended; all other items remain unchanged.

### **ITEM 3. SOURCE AND AMOUNT OF FUNDS OR OTHER CONSIDERATION.**

Item 3 of the Schedule 13D is hereby amended by adding the following to the end thereof:

On May 29, 2012, each of TAP IV, TAA IV, TAP III and TAA III purchased from the Issuer an aggregate of 284,698 shares of Common Stock for a purchase price of \$3.40 per share, or \$967,973.20 in the aggregate.

On May 29, 2012, each of TAP IV, TAA IV, TAP III and TAA III purchased from the Issuer warrants to purchase 256,228 shares of Common Stock, exercisable on November 29, 2012. The warrants were purchased for a purchase price of \$0.125 per warrant, or \$32,028.50 in the aggregate.

The source of the funds for the acquisition of the Common Stock and warrants purchased from the Issuer by TAP IV, TAA IV, TAP III and TAA III was from working capital. No part of the purchase price was borrowed by TAP IV, TAA IV, TAP III or TAA III for the purpose of acquiring such securities.

### **ITEM 5. INTEREST IN SECURITIES OF THE ISSUER.**

Items 5(a) and 5(b) of the Schedule 13D are hereby amended and restated in their entirety as follows:

(a,b) Regarding aggregate beneficial ownership, see Row 11 of the cover page of each Reporting Person. Regarding percentage beneficial ownership, see Row 13 of the cover page of each Reporting Person. Regarding sole power to vote shares, see Row 7 of the cover page of each Reporting Person. Regarding shared power to vote shares, see Row 8 of the cover page of each Reporting Person. Regarding sole power to dispose of shares, see Row 9 of the cover page of each Reporting Person. Regarding shared power to dispose of shares, see Row 10 of the cover page of each Reporting Person. The percentages of ownership listed in Row 13 for each Reporting Person was calculated based upon 19,692,150 shares of Common Stock outstanding as of May 1, 2012.

**ITEM 7. MATERIAL TO BE FILED AS EXHIBITS.**

Item 7 of the Schedule 13D is amended to add the following Exhibit:

Exhibit C Power of Attorney

Exhibit D Form of Warrant

Exhibit E Form of Securities Purchase Agreement, dated May 29, 2012

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SIGNATURES

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.

Date: June 8, 2012

Three Arch Partners IV, L.P. /s/ Steve Agelopoulos  
By Three Arch Management IV, L.L.C. Steve Agelopoulos, by Power of Attorney  
Its General Partner

Three Arch Associates IV, L.P. /s/ Steve Agelopoulos  
By Three Arch Management IV, L.L.C. Steve Agelopoulos, by Power of Attorney  
Its General Partner

Three Arch Partners III, L.P. /s/ Steve Agelopoulos  
By Three Arch Management III, L.L.C. Steve Agelopoulos, by Power of Attorney  
Its General Partner

Three Arch Associates III, L.P. /s/ Steve Agelopoulos  
By Three Arch Management III, L.L.C. Steve Agelopoulos, by Power of Attorney  
Its General Partner

Three Arch Management IV, L.L.C. /s/ Steve Agelopoulos  
Steve Agelopoulos, by Power of Attorney

Three Arch Management III, L.L.C. /s/ Steve Agelopoulos  
Steve Agelopoulos, by Power of Attorney

Mark Wan /s/ Steve Agelopoulos  
Steve Agelopoulos, by Power of Attorney

Wilfred Jaeger /s/ Steve Agelopoulos  
Steve Agelopoulos, by Power of Attorney

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## INDEX TO EXHIBITS

EXHIBIT C Power of Attorney (filed as Exhibits 24 and 24.2 to the Form 4 filed with the Commission by the Reporting Persons on May 31, 2012, and incorporated herein by reference).

EXHIBIT D Form of Warrant (filed as an exhibit to AcelRx's Current Report on Form 8-K filed with the Securities and Exchange Commission on March 30, 2012, incorporated by reference as Exhibit 4.8 to AcelRx's Current Report on Form 8-K filed with the Securities and Exchange Commission on June 4, 2012, and incorporated herein by reference).

EXHIBIT E Form of Securities Purchase Agreement, dated May 29, 2012 (filed as an exhibit to AcelRx's Current Report on Form 8-K filed with the Securities and Exchange Commission on March 30, 2012, incorporated by reference as Exhibit 10.23 to AcelRx's Current Report on Form 8-K filed with the Securities and Exchange Commission on June 4, 2012, and incorporated herein by reference).