ACELRX PHARMACEUTICALS INC Form SC 13D/A February 15, 2017
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. 4)*
AcelRx Pharmaceuticals, Inc.
(Name of Issuer)
Common Stock
(Title of Class of Securities)
00444T100
(CUSIP Number)
Mark Wan
c/o Three Arch Partners
19 South B Street, Suite 14
San Mateo, CA 94401

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(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

March 7, 2016

(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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1	NAME OF REPORTING PERSONS Three Arch Partners IV, L.P. (the "TAP IV")		
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions) (a) " (b) x		
3	SEC USE ONLY SOURCE OF FUNDS		
4	WC		
5	CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS $2(\mbox{\scriptsize d})$ OR $2(\mbox{\scriptsize e})$		
6	CITIZENSHIP OR PLACE OF ORGANIZATION Delaware SOLE VOTING POWER		
NUMBER OF SHARES BENEFICE OWNED BEACH REPORTIN PERSON WITH	5,901,589 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 5,901,589 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. SHARED DISPOSITIVE POWER See response to row 9.		
11	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSONM,901,589		
12	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (See Instructions) "		
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 13.0%		
14	TYPE OF REPORTING PERSON (See Instructions) PN		

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1	NAME OF REPORTING PERSONS Three Arch Associates IV, L.P. (<u>"TAA IV"</u>)		
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions) (a) " (b) x		
3	SEC USE ONLY SOURCE OF FUNDS		
4	WC		
5	CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) OR 2(e) $^{\circ}$		
6	CITIZENSHIP OR PLACE OF ORGANIZATION Delaware SOLE VOTING POWER 130,304 shares (including 4,151 shares represented by warrants exercisable on November 29, 7 2012), except that TAM IV is the general partner of TAA IV and may be deemed to have sole		
NUMBER (SHARES BENEFICIA OWNED BY	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. SHARED VOTING POWER		
EACH	SOLE DISPOSITIVE POWER		
REPORTIN PERSON WITH	 G 130,304 shares (including 4,151 shares represented by warrants exercisable on November 29, 9 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. SHARED DISPOSITIVE POWER See response to row 9. 		
11	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSONI30,304		
12	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (See Instructions) "		
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) H.3%		
14	TYPE OF REPORTING PERSON (See Instructions) PN		

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1	NAME OF REPORTING PERSONS Three Arch Management IV, L.L.C. (<u>"TAM IV"</u>)
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions)
3	(a) " (b) x SEC USE ONLY SOURCE OF FUNDS
5	WC CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) OR 2(e) $^{\circ}$
6	CITIZENSHIP OR PLACE OF ORGANIZATION Delaware SOLE VOTING POWER
NUMBER (SHARES BENEFICIA	6,031,893 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 5,901,589 are directly owned by TAP IV and 130,304 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. SHARED VOTING POWER
OWNED BY EACH REPORTIN PERSON WITH	Y See response to row 7. SOLE DISPOSITIVE POWER
	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. SHARED DISPOSITIVE POWER See response to row 9.
11	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSONN,031,893
12	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (See Instructions) "
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 13.3%
14	TYPE OF REPORTING PERSON (See Instructions) OO

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1	NAME OF REPORTING PERSONS Three Arch Partners III, L.P. (the "TAP III")	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions) (a) " (b) x	
3	SEC USE ONLY SOURCE OF FUNDS	
4	WC	
5	CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS $2(\mbox{d})$ OR $2(\mbox{e})$	
NUMBER OF SHARES BENEFICIAR OWNED BY EACH REPORTIN PERSON WITH	managing members of TAM III and may be deemed to have shared power to vote these shares. ALLY SHARED VOTING POWER See response to row 7. SOLE DISPOSITIVE POWER	
11	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSONK,408,146	
12	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (See Instructions) "	
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 0.5%	
14	TYPE OF REPORTING PERSON (See Instructions) PN	

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1	NAME OF REPORTING PERSONS Three Arch Associates III, L.P. (<u>"TAA II</u> I")
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions) (a) " (b) x
3	SEC USE ONLY SOURCE OF FUNDS
4	WC
5	CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) OR 2(e) $^{\circ}$
6	CITIZENSHIP OR PLACE OF ORGANIZATION Delaware SOLE VOTING POWER 183,230 shares (including 3,268 shares represented by warrants exercisable on November 29, 7 2012), except that TAM III is the general partner of TAA III and may be deemed to have sole
NUMBER (SHARES BENEFICIA	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.
OWNED B'	Y See response to row 7. SOLE DISPOSITIVE POWER
REPORTIN PERSON WITH	
11	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSONI83,230
12	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (See Instructions)
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) H.4%
14	TYPE OF REPORTING PERSON (See Instructions) PN

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1	NAME OF REPORTING PERSONS Three Arch Management III, L.L.C. (<u>"TAM II</u> I")	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions) (a) " (b) x	
3	SEC USE ONLY SOURCE OF FUNDS	
4	WC	
5	CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) OR 2(e)	
6	CITIZENSHIP OR PLACE OF ORGANIZATION Delaware	
NUMBER OF SHARES BENEFICIAR OWNED BY EACH REPORTIN PERSON WITH	SOLE VOTING POWER 3,591,376 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 3,408,146 are directly owned by TAP III and 183,230 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. SHARED VOTING POWER See response to row 7. SOLE DISPOSITIVE POWER 3,591,376 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 3,408,146 are directly owned by TAP III and 183,230 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. SHARED DISPOSITIVE POWER See response to row 9.	
11	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSONK,591,376	
12	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (See Instructions) "	
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 0.9%	
14	TYPE OF REPORTING PERSON (See Instructions) OO	

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	NAME OF REPORTING PERSONS
1	I.R.S. IDENTIFICATION NO. OF ABOVE PERSON (Entities Only).
	Mark Wan (<u>"Wa</u> n")
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions)
2	(a) " (b) x
3	SEC USE ONLY
	SOURCE OF FUNDS
4	
•	WC
	CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS
5	2(d) OR 2(e)
	CITIZENSHIP OR PLACE OF ORGANIZATION
6	United States
	7 SOLE VOTING POWER 7 61 250 shares (all of which are represented by antique experience within 60 days have for
	61,250 shares (all of which are represented by options exercisable within 60 days hereof).
	SHARED VOTING POWER
	9,623,269 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 5,901,589 are directly owned by TAP IV, 130,304 are directly owned by TAA IV,
	^o 3,408,146 are directly owned by TAP III and 183,230 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
NUMBER C	DF the shares held by TAP IV and TAA IV. TAM III, the general partner of each of TAP III and
SHARES	TAA III, may be deemed to have the sole power to vote the shares held by TAP III and TAA
BENEFICIA	
OWNED BY	·
EACH	SOLE DISPOSITIVE DOWED
REPORTIN	y
PERSON	SHARED DISPOSITIVE POWER
WITH	9,623,269 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 5,901,589 are directly owned by TAP IV, 130,304 are directly owned by TAA IV,
	3,408,146 are directly owned by TAP III and 183,230 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
11	REPORTING PERSON 9,684,519
	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9)
12	EXCLUDES CERTAIN SHARES (See Instructions) "
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)J1.4%
1.5	I ENCENT OF CEASS NEITHERESTITES OF ANIOUS IN NOW (3),31.4/0

14 TYPE OF REPORTING PERSON (See Instructions) IN

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	NAME OF REPORTING PERSONS
1	I.R.S. IDENTIFICATION NO. OF ABOVE PERSON (Entities Only).
	Wilfred Jaeger (<u>"Jaege</u> r") CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions)
2	(a) " (b) x
3	SEC USE ONLY
	SOURCE OF FUNDS
4	W.G.
	WC CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS
5	2(d) OR 2(e)
(CITIZENSHIP OR PLACE OF ORGANIZATION
6	United States
	7 SOLE VOTING POWER
	0 shares.
	SHARED VOTING POWER 0.623-260 shares (including 188-020 shares represented by warrents evergisable on Nevember 20
	9,623,269 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 5,901,589 are directly owned by TAP IV, 130,304 are directly owned by TAA IV,
	3,408,146 are directly owned by TAP III and 183,230 are directly owned by TAA III. TAM IV,
NILIMBED (the general partner of each of TAP IV and TAA IV, may be deemed to have the sole power to vote
NUMBER OF SHARES	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
BENEFICIA	
OWNED BY	·
EACH	9 SOLE DISPOSITIVE POWER
REPORTIN	G 0 shares.
PERSON	SHARED DISPOSITIVE POWER
WITH	9,623,269 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 5,901,589 are directly owned by TAP IV, 130,304 are directly owned by TAA IV,
	3,408,146 are directly owned by TAP III and 183,230 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
11	REPORTING PERSON 9,623,269
12	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9)
	EXCLUDES CERTAIN SHARES (See Instructions) "
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)J1.2%

14 TYPE OF REPORTING PERSON (See Instructions) IN

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Statement on Schedule 13D

This Amendment No. 4 to Schedule 13D is filed to reflect changes resulting solely from the impact of changes in the number of outstanding shares of Common Stock of AcelRx Pharmaceuticals, Inc., a Delaware corporation. This Amendment No. 4 supplements and amends the Schedule 13D originally filed with the Securities and Exchange Commission on February 25, 2011, as amended May 29, 2012, as amended December 17, 2012, as amended on March 7, 2014 (as amended, the "Schedule 13D"). Only those items that are hereby reported are amended; all other items remain unchanged.

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. In its Quarterly Report on Form 10-Q for the three months ended September 30, 2016, the Company reported 45,333,790 shares outstanding as of October 21, 2016 (the "Share Outstanding Date"). Although none of the Reporting Persons acquired any shares of Common Stock from the date the Reporting Persons filed Amendment No. 3 to this Schedule 13D through the Share Outstanding Date (the "Interim Period"), as a result of various issuances by the Company of its Common Stock during the Interim Period, there was a material change in the percentage of Common Stock that the Reporting Persons are deemed to beneficially own.

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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: February 14, 2017

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