THREE ARCH ASSOCIATES IV LP

Form 4

December 11, 2012

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB APPROVAL OMB

3235-0287 Number:

January 31, Expires: 2005

Estimated average burden hours per response... 0.5

if no longer subject to Section 16. Form 4 or Form 5

obligations

Check this box

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

may continue. 30(h) of the Investment Company Act of 1940 See Instruction

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading WAN MARK A Issuer Symbol ACELRX PHARMACEUTICALS (Check all applicable) INC [ACRX] _X__ 10% Owner (Last) (First) (Middle) 3. Date of Earliest Transaction _X__ Director __ Other (specify Officer (give title (Month/Day/Year) below) 3200 ALPINE ROAD 12/07/2012 (Street) 6. Individual or Joint/Group Filing(Check 4. If Amendment, Date Original Filed(Month/Day/Year) Applicable Line) Form filed by One Reporting Person _X_ 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. 4. Securities Acquired (A) Transaction Disposed of (D) Code (Instr. 3, 4 and 5) (Instr. 8)		5. Amount of Securities Ownership Beneficially Form: Owned Direct (D) Following or Indirect		7. Nature of Indirect Beneficial Ownership (Instr. 4)			
			Code V	Amount	(A) or (D)	Price	Reported Transaction(s) (Instr. 3 and 4)	(I) (Instr. 4)		
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	

(2)

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

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

SEC 1474 (9-02)

> 9. Nu Deriv Secur Bene Own Follo Repo Trans

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)	4. Transaction Code (Instr. 8)	5. onNumber of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		ate	7. Titl Amou Under Secur (Instr.	int of rlying	8. Price o Derivativ Security (Instr. 5)
			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 3200 ALPINE ROAD PORTOLA VALLEY, CA 94028	X	X					
JAEGER WILFRED E 3200 ALPINE DRIVE PORTOLA VALLEY, CA 94028		X					
THREE ARCH PARTNERS III LP 3200 ALPINE DRIVE PORTOLA VALLEY, CA 94028		X					
THREE ARCH ASSOCIATES III LP 3200 ALPINE ROAD PORTOLA VALLEY, CA 94028		X					
THREE ARCH PARTNERS IV LP 3200 ALPINE ROAD PORTOLA VALLEY, CA 94028		X					
		X					

Reporting Owners 2

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).
- 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.
- 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.
- 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.
- 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. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

Signatures 3