

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**

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person* <b>THREE ARCH MANAGEMENT III LLC</b> <hr/> (Last) (First) (Middle) <b>3200 ALPINE ROAD</b> <hr/> (Street) <b>PORTOLA VALLEY CA 94028</b> <hr/> (City) (State) (Zip)			2. Issuer Name and Ticker or Trading Symbol <b>CONCERT PHARMACEUTICALS, INC. [CNCE]</b>		5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director <input checked="" type="checkbox"/> 10% Owner Officer (give title below) Other (specify below)	
			3. Date of Earliest Transaction (Month/Day/Year) <b>02/19/2014</b>			
			4. If Amendment, Date of Original Filed (Month/Day/Year)		6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person	

**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	02/19/2014		C		13,545	A	(1)	14,854 <sup>(2)</sup>	I	See footnote <sup>(2)</sup>
Common Stock	02/19/2014		C		18,060	A	(1)	32,914 <sup>(2)</sup>	I	See footnote <sup>(2)</sup>
Common Stock	02/19/2014		C		3,612	A	(1)	36,526 <sup>(2)</sup>	I	See footnote <sup>(2)</sup>
Common Stock	02/19/2014		C		251,941	A	(1)	276,295 <sup>(3)</sup>	I	See footnote <sup>(3)</sup>
Common Stock	02/19/2014		C		335,922	A	(1)	612,217 <sup>(3)</sup>	I	See footnote <sup>(3)</sup>
Common Stock	02/19/2014		C		67,184	A	(1)	679,401 <sup>(3)</sup>	I	See footnote <sup>(3)</sup>
Common Stock	02/19/2014		P		5,281	A	\$14	41,807 <sup>(2)</sup>	I	See footnote <sup>(2)</sup>
Common Stock	02/19/2014		P		98,219	A	\$14	777,620 <sup>(3)</sup>	I	See footnote <sup>(3)</sup>

**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 Securities Underlying Derivative Security (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
				Code	V	(A)	(D)	Date Exercisable	Expiration Date						Title
Series A Convertible Preferred Stock	(1)	02/19/2014		C			76,531	(1)	(4)	Common Stock	13,545	\$0.00	0	I	See footnote <sup>(2)</sup>
Series B Convertible Preferred Stock	(1)	02/19/2014		C			102,041	(1)	(4)	Common Stock	18,060	\$0.00	0	I	See footnote <sup>(2)</sup>
Series C Convertible Preferred Stock	(1)	02/19/2014		C			20,408	(1)	(4)	Common Stock	3,612	\$0.00	0	I	See footnote <sup>(2)</sup>
Series A Convertible Preferred Stock	(1)	02/19/2014		C			1,423,469	(1)	(4)	Common Stock	251,941	\$0.00	0	I	See footnote <sup>(3)</sup>

**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 Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
Series B Convertible Preferred Stock	(I)	02/19/2014		C			1,897,959	(I)	(4)	Common Stock	335,922	\$0.00	0	I	See footnote <sup>(3)</sup>
Series C Convertible Preferred Stock	(I)	02/19/2014		C			379,592	(I)	(4)	Common Stock	67,184	\$0.00	0	I	See footnote <sup>(3)</sup>

1. Name and Address of Reporting Person\*  
THREE ARCH MANAGEMENT III LLC

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(Last) (First) (Middle)  
 3200 ALPINE ROAD

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(Street)  
 PORTOLA VALLEY CA 94028

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(City) (State) (Zip)

1. Name and Address of Reporting Person\*  
JAEGER WILFRED E

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(Last) (First) (Middle)  
 C/O THREE ARCH PARTNERS  
 3200 ALPINE ROAD

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(Street)  
 PORTOLA VALLEY CA 94028

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(City) (State) (Zip)

1. Name and Address of Reporting Person\*  
THREE ARCH ASSOCIATES III LP

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(Last) (First) (Middle)  
 3200 ALPINE ROAD

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(Street)  
 PORTOLA VALLEY CA 94028

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(City) (State) (Zip)

1. Name and Address of Reporting Person\*  
THREE ARCH PARTNERS III LP

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(Last) (First) (Middle)  
 3200 ALPINE ROAD

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(Street)  
 PORTOLA VALLEY CA 94028

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(City) (State) (Zip)

1. Name and Address of Reporting Person*		
<u>WAN MARK A</u>		
(Last)	(First)	(Middle)
C/O THREE ARCH PARTNERS 3200 ALPINE ROAD		
(Street)		
PORTOLA VALLEY	CA	94028
(City) (State) (Zip)		

**Explanation of Responses:**

1. The Series A, Series B and Series C Convertible Preferred Stock converted into Common Stock on a 1-for-5.65 basis upon the closing of the issuer's initial public offering without payment of consideration.
2. These shares are owned directly by Three Arch Associates III, L.P. ("TAA III"). Three Arch Management III, L.L.C. ("TAM III") is the general partner of TAA III, and Wilfred Jaeger and Mark Wan, the Managing Members of TAM III, may be deemed to share voting and dispositive power over the shares held 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. These shares are owned directly by Three Arch Partners III, L.P. ("TAP III"). Three Arch Management III, L.L.C. ("TAM III") is the general partner of TAP III, and Wilfred Jaeger and Mark Wan, the Managing Members of TAM III, may be deemed to share voting and dispositive power over the shares held 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.
4. Not applicable.

**Remarks:**

<u>/s/ Wilfred Jaeger, as Managing Member of Three Arch Management III, L.L.C.</u>	<u>02/21/2014</u>
<u>/s/ Wilfred Jaeger</u>	<u>02/21/2014</u>
<u>/s/ Wilfred Jaeger, as Managing Member of Three Arch Management III, L.L.C., general partner of Three Arch Associates III, L.P.</u>	<u>02/21/2014</u>
<u>/s/ Wilfred Jaeger, as Managing Member of Three Arch Management III, L.L.C., general partner of Three Arch Partners III, L.P.</u>	<u>02/21/2014</u>
<u>/s/ Mark Wan</u>	<u>02/21/2014</u>
** Signature of Reporting Person	Date

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

\* 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).

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

**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 Number.**