EVNIN ANTHONY B

Form 4

November 28, 2012

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB

OMB APPROVAL

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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

1(b).

(Print or Type Responses)

See Instruction

1. Name and Address of Reporting Person * **EVNIN ANTHONY B**

2. Issuer Name and Ticker or Trading

5. Relationship of Reporting Person(s) to Issuer

Symbol

INFINITY PHARMACEUTICALS,

(Check all applicable)

INC. [INFI]

11/26/2012

(Month/Day/Year)

(Last) (First)

(Middle)

3. Date of Earliest Transaction

_X__ Director Officer (give title

10% Owner Other (specify

C/O VENROCK, 530 FIFTH

(Street) 4. If Amendment, Date Original

6. Individual or Joint/Group Filing(Check

Filed(Month/Day/Year) Applicable Line)

X Form filed by One Reporting Person Form filed by More than One Reporting

AVENUE, 22ND FLOOR

NEW YORK, NY 10036

(City)	(State)	(Zip)	Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned
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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. Securitie omr Disposed (Instr. 3, 4 a	of (D))	5. Amount of Securities Beneficially Owned Following	6. Ownership Form: Direct (D) 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	11/26/2012		J	864,565 (1)	D	\$ 0	311,719	I	By Funds (2) (3)
Common Stock	11/26/2012		J	4,832 (4)	A	\$ 0	316,551	I	By Funds and LLC (2) (3) (4)
Common Stock	11/26/2012		J	923 (5)	A	\$ 0	923	D	
Common Stock	11/27/2012		M	1,875	A	\$ 15.04	2,798	D	
	11/27/2012		M	1,407	A	\$ 9.23	4,205	D	

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Common Stock							
Common Stock	11/27/2012	M	9,375	A	\$ 7.7	13,580	D
Common Stock	11/27/2012	M	9,375	A	\$ 5.63	22,955	D
Common Stock	11/27/2012	M	5,625	A	\$ 5.63	28,580	D
Common Stock	11/27/2012	M	9,375	A	\$ 6.74	37,955	D
Common Stock	11/27/2012	M	5,625	A	\$ 6.74	43,580	D
Common Stock	11/27/2012	M	10,000	A	\$ 6.8	53,580	D
Common Stock	11/27/2012	M	6,000	A	\$ 6.8	59,580	D

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

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SEC 1474 (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. Transactio Code (Instr. 8)	orDeriv Secur Acqu	rities ired (A) sposed of : 3, 4,	6. Date Exerci Expiration Da (Month/Day/Y	te	7. Title and A Underlying (Instr. 3 and	Securities
				Code V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Stock Option (right to buy)	\$ 15.04	11/27/2012		M		1,875	12/31/2006	09/11/2016	Common Stock	1,875
Stock Option (right to buy)	\$ 9.23	11/27/2012		M		1,407	09/30/2007	09/11/2017	Common Stock	1,407
	\$ 7.7	11/27/2012		M		9,375	06/30/2008	05/21/2018		9,375

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Stock Option (right to buy)							Common Stock	
Stock Option (right to buy)	\$ 5.63	11/27/2012	M	9,375	06/30/2009	06/16/2019	Common Stock	9,375
Stock Option (right to buy)	\$ 5.63	11/27/2012	М	5,625	06/30/2009	06/16/2019	Common Stock	5,625
Stock Option (right to buy)	\$ 6.74	11/27/2012	M	9,375	06/30/2010	05/24/2020	Common Stock	9,375
Stock Option (right to buy)	\$ 6.74	11/27/2012	M	5,625	06/30/2010	05/24/2020	Common Stock	5,625
Stock Option (right to buy)	\$ 6.8	11/27/2012	M	10,000	06/30/2011	05/18/2021	Common Stock	10,000
Stock Option (right to buy)	\$ 6.8	11/27/2012	M	6,000	06/30/2011	05/18/2021	Common Stock	6,000

Reporting Owners

Reporting Owner Name / Address	Relationships						
	Director	10% Owner	Officer	Other			
EVNIN ANTHONY B C/O VENROCK 530 FIFTH AVENUE, 22ND FLOOR NEW YORK, NY 10036	X						
Signatures							

Signatures

/s/ Anthony B. Evnin	11/28/2012		
**Signature of Reporting Person	Date		

Reporting Owners 3

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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).
- On November 26, 2012, Venrock Associates III, L.P. ("VA3") and Venrock Associates, L.P. ("VA" and together with VA3, the "Venrock (1) Funds") distributed an aggregate of 864,565 shares of the common stock of the Issuer to their respective partners pro rata based on their respective interests in the Venrock Funds (the "Distribution").
- (2) Following the Distribution, the shares held by VA3, VA and Venrock Entrepreneurs Fund III, L.P. ("VEF3") are as follows: 235,312 shares held by VA3, 52,876 shares held by VA and 23,531 shares held by VEF3.
 - Venrock Management III, LLC ("VM3") and VEF Management III, LLC ("VEFM3") are the sole general partners of VA3 and VEF3, respectively, and may be deemed to beneficially own the shares held by VA3 and VEF3, respectively. VM3 and VEFM3 expressly
- (3) disclaim beneficial ownership over all shares held by VA3 and VEF3, respectively, except to the extent of their indirect pecuniary interests therein. Anthony B. Evnin is a member of VM3 and VEFM3. Dr. Evnin expressly disclaims beneficial ownership over all shares held by VA3, VA, VEF3, VM3 and VEFM3 except to the extent of his indirect pecuniary interest therein.
- (4) In the Distribution, VM3 received 4,832 shares. For VM3, this represents a change in form of ownership from indirect to direct but does not represent a change in beneficial ownership.
- (5) In the Distribution, Dr. Evnin received 923 shares. For Dr. Evnin, this represents a change in form of ownership from indirect to direct but does not represent a change in beneficial ownership.

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.