EVNIN ANTHONY B Form 4/A April 10, 2013

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB 3235-0287

Number:

January 31,

2005

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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)

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

below)

Symbol

INFINITY PHARMACEUTICALS,

(Check all applicable)

INC. [INFI]

(Month/Day/Year)

11/26/2012

(Last) (First) (Middle)

(State)

11/26/2012

3. Date of Earliest Transaction

X_ Director 10% Owner Officer (give title

6. Individual or Joint/Group Filing(Check

Other (specify

C/O VENROCK, 530 FIFTH **AVENUE, 22ND FLOOR**

> (Street) 4. If Amendment, Date Original

> > Filed(Month/Day/Year) Applicable Line)

11/28/2012

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

NEW YORK, NY 10036

(Month/Day/Year)

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)

(City)

Stock

2. Transaction Date 2A. Deemed (Month/Day/Year) Execution Date, if

(Zip)

3. 4. Securities TransactionAcquired (A) or Code Disposed of (D) (Instr. 3, 4 and 5) (Instr. 8)

5. Amount of 6. Ownership 7. Nature of Securities Beneficially (D) or Owned Indirect (I) Following (Instr. 4)

Form: Direct Indirect Beneficial Ownership (Instr. 4)

Reported (A)

Transaction(s) or (Instr. 3 and 4) Price

Common

Code V Amount (D) 8,743 \$0 (1)(2)

 $67,400 \stackrel{(1)}{\underline{(1)}} \stackrel{(2)}{\underline{(2)}}$ D

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

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Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

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| 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. onNumber of Derivative Securities Acquired (A) or Disposed of (D) | | ate | Amount Underly Securiti | 7. Title and Amount of Underlying Securities (Instr. 3 and 4) | 8. Price of Derivative Security (Instr. 5) | 9. Nu Deriv Secur Bene Owne Follo Repo Trans (Instr |
|---|---|---|---|---|---|---------------------|--------------------|-------------------------------|---|---|---|
| | | | | Code V | (Instr. 3, 4, and 5) (A) (D) | Date Exercisable | Expiration Date | Title N | Amount or Number of Shares | | |

Reporting Owners

Reporting Owner Name / Address

Director 10% Owner Officer Other

EVNIN ANTHONY B C/O VENROCK 530 FIFTH AVENUE, 22ND FLOOR NEW YORK, NY 10036

X

Signatures

/s/ Anthony B. 04/10/2013

**Signature of Date
Reporting Person

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").
- In the Distribution, Dr. Evnin received 8,743 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. Dr. Evnin holds an aggregate of 67,400 shares of common stock of the Issuer, which consists of 923 shares received in the Distribution from VA, 7,820 shares received in the Distribution from VA3 and an aggregate of 58,657 shares received from the exercise of stock options on November 27, 2012.

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.

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