INFINITY PHARMACEUTICALS, INC.

Form 4

January 16, 2015

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

OMB Number:

3235-0287

0.5

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

30(h) of the Investment Company Act of 1940

January 31, Expires:

2005 Estimated average

OMB APPROVAL

burden hours per response...

if no longer subject to Section 16. Form 4 or

Check this box

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations Section 17(a) of the Public Utility Holding Company Act of 1935 or Section may continue.

See Instruction

1(b).

C/O INFINITY

Form 5

(Print or Type Responses)

1. Name and Address of Reporting Person *

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to Issuer

below)

Roth David

INFINITY PHARMACEUTICALS,

(Check all applicable)

INC. [INFI]

(Last) (First) (Middle) 3. Date of Earliest Transaction

Director 10% Owner X_ Officer (give title Other (specify

(Month/Day/Year)

01/14/2015

Chief Medical Officer

PHARMACEUTICALS, INC., 780

(Street)

MEMORIAL DRIVE

4. If Amendment, Date Original

6. Individual or Joint/Group Filing(Check

Applicable Line)

Filed(Month/Day/Year)

3.

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

CAMBRIDGE, MA 02139

(City) (State)

1.Title of

Security

(Zip)

2. Transaction Date 2A. Deemed

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

4. Securities

6. Ownership 7. Nature of

(Instr. 3) (Month/Day/Year)

(Month/Day/Year) Execution Date, if TransactionAcquired (A) or Code Disposed of (D) (Instr. 8) (Instr. 3, 4 and 5)

Beneficially Owned Following Reported

5. Amount of

Securities

Form: Direct Indirect (D) or Indirect Beneficial Ownership (Instr. 4) (Instr. 4)

(A)

Transaction(s)

(Instr. 3 and 4) Code V Amount (D) Price

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

Persons who respond to the collection of SEC 1474 information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

(9-02)

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. Transactio Code (Instr. 8)	5. Number of orDerivative 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 Underlying Securities (Instr. 3 and 4)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Stock Option (right to buy)	\$ 15.74	01/14/2015		A	85,000	<u>(1)</u>	01/14/2025	Common Stock	85,000

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Roth David C/O INFINITY PHARMACEUTICALS, INC. 780 MEMORIAL DRIVE CAMBRIDGE, MA 02139

Chief Medical Officer

Signatures

/s/ David Roth 01/16/2015

**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).
- (1) The option vests as to 1/48th of the shares on January 31, 2015 and vests as to 1/48th of the shares at the end of each calendar month thereafter.

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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