

INFINITY PHARMACEUTICALS, INC.
 Form 3
 September 14, 2006

FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

OMB APPROVAL

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INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

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

(Print or Type Responses)

1. Name and Address of Reporting Person *

Â EVNIN ANTHONY B
 (Last) (First) (Middle)

2. Date of Event Requiring Statement

(Month/Day/Year)
 09/12/2006

3. Issuer Name and Ticker or Trading Symbol

INFINITY PHARMACEUTICALS, INC. [INFI]

4. Relationship of Reporting Person(s) to Issuer

5. If Amendment, Date Original Filed(Month/Day/Year)

(Check all applicable)

Director 10% Owner
 Officer Other
 (give title below) (specify below)

C/O VENROCK ASSOCIATES,Â 30
 ROCKEFELLER PLAZA,
 ROOM 5508

(Street)

NEW YORK,Â NYÂ 10112

(City) (State) (Zip)

6. Individual or Joint/Group Filing(Check Applicable Line)
 Form filed by One Reporting Person
 Form filed by More than One Reporting Person

Table I - Non-Derivative Securities Beneficially Owned

1. Title of Security (Instr. 4)

2. Amount of Securities Beneficially Owned (Instr. 4)

3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)

4. Nature of Indirect Beneficial Ownership (Instr. 5)

No securities are beneficially owned.

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D ⁽¹⁾ Â

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

SEC 1473 (7-02)

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

1. Title of Derivative Security (Instr. 4)

2. Date Exercisable and Expiration Date (Month/Day/Year)

3. Title and Amount of Securities Underlying Derivative Security

4. Conversion or Exercise

5. Ownership Form of

6. Nature of Indirect Beneficial Ownership (Instr. 5)

Date Exercisable	Expiration Date	(Instr. 4)	Amount or Number of Shares	Price of Derivative Security	Derivative Security: Direct (D) or Indirect (I)
		Title			

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
EVNIN ANTHONY B C/O VENROCK ASSOCIATES 30 ROCKEFELLER PLAZA, ROOM 5508 NEW YORK, NY 10112	X	^	^	^

Signatures

Anthony B. Evinin 09/14/2006

Signature of Reporting Person Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, see Instruction 5(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) No securities are beneficially owned, either directly or indirectly.

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.