LEVINE ARNOLD J

Form 4

September 14, 2007

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

OMB

Number:

3235-0287

0.5

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

January 31, Expires: 2005

OMB APPROVAL

Estimated average burden hours per

response...

if no longer subject to Section 16. Form 4 or Form 5

obligations

Check this box

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

may continue. See Instruction

30(h) of the Investment Company Act of 1940

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * LEVINE ARNOLD J

2. Issuer Name and Ticker or Trading

5. Relationship of Reporting Person(s) to

Symbol

INFINITY PHARMACEUTICALS,

(Check all applicable)

INC. [INFI]

(Month/Day/Year)

(Last)

(Middle)

3. Date of Earliest Transaction

X_ Director 10% Owner Officer (give title

Issuer

Other (specify

C/O INSTITUTE FOR ADVANCED 09/12/2007 STUDY, SCHOOL OF NATURAL

(Street)

(First)

SCIENCES, EINSTEIN DR.

4. If Amendment, Date Original

6. Individual or Joint/Group Filing(Check

(Instr. 4)

Applicable Line)

Filed(Month/Day/Year)

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

PRINCETON, NJ 08540

(City) (State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1.Title of Security (Instr. 3)

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

Execution Date, if

(Month/Day/Year)

3. 4. Securities TransactionAcquired (A) or Code Disposed of (D)

(Instr. 8)

5. Amount of Securities Beneficially Owned

6. Ownership 7. Nature of Form: Direct Indirect (D) or Indirect Beneficial (I) Ownership

(Instr. 4)

(A)

(Instr. 3, 4 and 5)

Following Reported 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 (9-02)required to respond unless the form displays a currently valid OMB control number.

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

Edgar Filing: LEVINE ARNOLD J - Form 4

De Sec (In

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 Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	Expiration Date		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)	\$ 9.23	09/12/2007		A	3,750	<u>(1)</u>	09/12/2017	Common Stock	3,750

Reporting Owners

Reporting Owner Name / Address

Director 10% Owner Officer Other

LEVINE ARNOLD J C/O INSTITUTE FOR ADVANCED STUDY SCHOOL OF NATURAL SCIENCES, EINSTEIN DR. PRINCETON, NJ 08540



Signatures

/s/ Arnold J. 09/14/2007 Levine

**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).
- (1) The option vests in equal quarterly installments beginning at the end of the first quarter after the date of grant, which grant date was September 12, 2007, provided that the holder continues to serve as the issuer's lead research and development director.

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.

Reporting Owners 2