

INFINITY PHARMACEUTICALS, INC.

Form 3

December 01, 2008

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 Rosebay Medical Co L.P.
 (Last) (First) (Middle)

2. Date of Event Requiring Statement

(Month/Day/Year)
 11/19/2008

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 ___X___ 10% Owner
 ___ Officer ___ Other
 (give title below) (specify below)

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

C/O NORTH BAY ASSOCIATES,Â 14000 QUAIL SPRINGS PARKWAY #2200
 (Street)

OKLAHOMA CITY,Â OKÂ 73134
 (City) (State) (Zip)

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)
Common Stock	2,000,000	D ⁽¹⁾	Â

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

SEC 1473 (7-02)

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

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 (Instr. 4)	4. Conversion or Exercise Price of Derivative	5. Ownership Form of Derivative Security:	6. Nature of Indirect Beneficial Ownership (Instr. 5)
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Date Exercisable	Expiration Date	Title	Amount or Number of Shares	Security	Direct (D) or Indirect (I) (Instr. 5)
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Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Rosebay Medical Co L.P. C/O NORTH BAY ASSOCIATES 14000 QUAIL SPRINGS PARKWAY #2200 OKLAHOMA CITY, OK 73134	^	^ X	^	^

Signatures

Stephen A. Ives, as Vice President of Rosebay Medical Company, Inc., Rosebay Medical Company L.P.'s general partner

12/01/2008

__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) These securities were purchased pursuant to the Securities Purchase Agreement between the Issuer, Purdue Pharma L.P. and Purdue Pharmaceutical Products L.P., dated November 19, 2008. These securities were distributed by Purdue Pharma L.P. and Purdue Pharmaceutical Products L.P. to the Reporting Person and Beacon Company, the ultimate parents of Purdue Pharma L.P. and Purdue Pharmaceutical Products L.P., via a series of distributions to each entity's limited partner until it reached the Reporting Person.

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.