Palombella Vito J. Form 3/A April 22, 2013

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)

Person * A Palombe		eporting	Statement (Month/Day/Year)	3. Issuer Name and Ticker or Trading Symbol INFINITY PHARMACEUTICALS, INC. [INFI]				
(Last)	(First)	(Middle)	05/18/2010	4. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director10% Owner			5. If Amendment, Date Origina Filed(Month/Day/Year)	
C/O INFINI PHARMAC INC., 780	CEUTICAI						05/26/2010	
DRIVE (Street) CAMBRIDGE, MA 02139						r ow)	6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person	
CAMBRID	OL,A MA	A 02139					Form filed by More than One Reporting Person	
(City)	(State)	(Zip)	Table I - Non-Derivative Securities Beneficially Owned					
1.Title of Secu (Instr. 4)	ırity		2. Amount of Beneficially (Instr. 4)		3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nat Owne (Instr	•	
Common Stock			1,047 (1)	D Â		Â		
Common St	tock		4,117 <u>(2)</u>		I	401(k)	
Reminder: Rep	•		ach class of securities benefici	ially S	EC 1473 (7-02			
	infor	mation cont	spond to the collection of cained in this form are not					

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

currently valid OMB control number.

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1. Title of Derivative Security (Instr. 4)

Expiration Date (Month/Day/Year)

2. Date Exercisable and 3. Title and Amount of Securities Underlying **Derivative Security** (Instr. 4)

Conversion or Exercise Price of Derivative

5. Ownership Form of Derivative

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

Date Exercisable

Expiration Title Date

Amount or Number of Shares

Security: Security Direct (D) or Indirect (I) (Instr. 5)

Reporting Owners

CAMBRIDGE, MAÂ 02139

Reporting Owner Name / Address

Relationships

Director 10% Owner Officer

Other

Palombella Vito J.

C/O INFINITY PHARMACEUTICALS, INC. 780 MEMORIAL DRIVE

Â

À Chief Scientific Officer À

Signatures

/s/ Vito J. Palombella

04/22/2013

**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).
- The Form 3 filed by the reporting person on May 26, 2010 omitted 1,047 shares that were directly held by the reporting person and inadvertently reported 4,117 shares as being held directly by the reporting person. 1,047 shares were directly held by the reporting person and 4,117 shares were held indirectly by the reporting person through the Infinity Pharmaceuticals, Inc. 401(k) plan (the "Plan") as of
- Represents shares acquired by the reporting person under the Plan as of May 26, 2010. These shares were previously inadvertently reported as being directly held by 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.

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