Mirati Therapeutics, Inc. Form 4 July 01, 2014

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

OMB

OMB APPROVAL

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obligations

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SECURITIES Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934,

may continue. See Instruction

Section 17(a) of the Public Utility Holding Company Act of 1935 or Section

30(h) of the Investment Company Act of 1940

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * ORBIMED ADVISORS LLC			2. Issuer Name and Ticker or Trading Symbol	5. Relationship of Reporting Person(s) to Issuer			
			Mirati Therapeutics, Inc. [MRTX]	(Check all applicable)			
(Last)	(First)	(Middle)	3. Date of Earliest Transaction				
			(Month/Day/Year)	DirectorX 10% Owner			
601 LEXINGTON AVENUE, 54TH FLOOR			06/27/2014	Officer (give title Delow) Other (specify below)			
	(Street)		4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Check			
			Filed(Month/Day/Year)	Applicable Line) Form filed by One Reporting Person			

NEW YORK, NY 10022

(City)	(State)	(Zip) Tab	le I - Non-l	Derivative	Secur	ities Acqı	uired, Disposed o	f, or Beneficia	lly Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)			4. Securities Acquired or(A) or Disposed of (D) (Instr. 3, 4 and 5) (A) or			5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
Common Stock, par value \$0.001 per share	06/27/2014		Code V	Amount 79,120	(D)	\$ 21.79 (3)	1,195,212	I	See Footnotes (1) (2)
Common Stock, par value \$0.001 per share	06/27/2014		S	9,212	D	\$ 23.09 (4)	1,186,000	I	See Footnotes
Common Stock, par	06/30/2014		S	9,283	D	\$ 20.33	1,176,717	I	See Footnotes

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value \$0.001 per share					<u>(5)</u>			(1) (2)
Common Stock, par value \$0.001 per share	06/30/2014	S	4,717	D	\$ 21.11 (6)	1,172,000	I	See Footnotes
Common Stock, par value \$0.001 per share	07/01/2014	S	5,000	D	\$ 20.04 (7)	1,167,000	I	See Footnotes

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

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.

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(9-02)

9. Nu Deriv Secur Bene Own Follo Repo Trans (Instr

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

1. Title of	2.	3. Transaction Date	3A. Deemed	4.	5.	6. Date Exerc	isable and	7. Title	and	8. Price of
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transaction	orNumber	Expiration Da	ate	Amount	t of	Derivative
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Underly	ing	Security
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivative	e		Securitie	es	(Instr. 5)
	Derivative				Securities			(Instr. 3	and 4)	
	Security				Acquired					
	·				(A) or					
					Disposed					
					of (D)					
					(Instr. 3,					
					4, and 5)					
								A	Amount	
						Date	Expiration	0:		
						Exercisable Date	Title Number			
								0		
				Code V	(A) (D)			S	hares	

Reporting Owners

Reporting Owner Name / Address	Relationships					
	Director	10% Owner	Officer	Other		
ORBIMED ADVISORS LLC 601 LEXINGTON AVENUE, 54TH FLOOR NEW YORK, NY 10022		X				
OrbiMed Capital GP IV LLC 601 LEXINGTON AVENUE, 54TH FLOOR		X				

Reporting Owners 2

NEW YORK, NY 10022

ISALY SAMUEL D 601 LEXINGTON AVENUE, 54TH FLOOR NEW YORK, NY 10022

X

Signatures

/s/ Samuel D. Isaly

07/01/2014

**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).

The shares of Common Stock ("Shares") are held of record by OrbiMed Private Investments IV, LP ("OPI IV") and may be deemed to be indirectly beneficially owned by OrbiMed Capital GP IV LLC ("GP IV"), OrbiMed Advisors LLC ("Advisors"), and Samuel D. Isaly ("Isaly"). GP IV is the sole general partner of OPI IV. Advisors, a registered adviser under the Investment Advisers Act of 1940, as

- (1) amended, is the sole managing member of GP IV. By virtue of such relationships, GP IV and Advisors may be deemed to have voting and investment power with respect to the securities held by OPI IV noted above. Isaly, a natural person, is the managing member of and owner of a controlling interest in Advisors, and in such capacity may also be deemed to have voting and investment power over the securities held by OPI IV.
- This Form 4 is being jointly filed by Advisors, GP IV and Isaly. Each of GP IV, Advisors and Isaly disclaims beneficial ownership of the securities reported herein for purposes of Rule 16a-1(a) under the Securities Exchange Act of 1934, as amended (the "Exchange Act"), except to the extent of its or his pecuniary interest therein, if any. This report shall not be deemed an admission that the Reporting Persons are beneficial owners for the purpose of Section 16 of the Exchange Act, or for any other purpose.
- The price reported in Column 4 is a weighted average price. These Shares were sold in multiple transactions at prices ranging from \$21.79 to \$21.81, inclusive. The reporting persons undertake to provide to the Issuer, any security holder of the Issuer or the Staff of the Securities and Exchange Commission, upon request, full information regarding the number of Shares sold at each separate price within the range set forth in this footnote.
- The price reported in Column 4 is a weighted average price. These Shares were sold in multiple transactions at prices ranging from \$23.00 to \$23.23, inclusive. The reporting persons undertake to provide to the Issuer, any security holder of the Issuer or the Staff of the Securities and Exchange Commission, upon request, full information regarding the number of Shares sold at each separate price within the range set forth in this footnote.
- The price reported in Column 4 is a weighted average price. These Shares were sold in multiple transactions at prices ranging from \$20.00 to \$20.99, inclusive. The reporting persons undertake to provide to the Issuer, any security holder of the Issuer or the Staff of the Securities and Exchange Commission, upon request, full information regarding the number of Shares sold at each separate price within the range set forth in this footnote.
- The price reported in Column 4 is a weighted average price. These Shares were sold in multiple transactions at prices ranging from \$21.00 to \$21.685, inclusive. The reporting persons undertake to provide to the Issuer, any security holder of the Issuer or the Staff of the Securities and Exchange Commission, upon request, full information regarding the number of Shares sold at each separate price within the range set forth in this footnote.
- The price reported in Column 4 is a weighted average price. These Shares were sold in multiple transactions at prices ranging from \$20.00 to \$20.21, inclusive. The reporting persons undertake to provide to the Issuer, any security holder of the Issuer or the Staff of the Securities and Exchange Commission, upon request, full information regarding the number of Shares sold at each separate price within the range set forth in this footnote.

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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