

Mirati Therapeutics, Inc.
Form 4
October 28, 2013

FORM 4

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

OMB APPROVAL

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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

STATEMENT OF CHANGES IN 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 *
Boxer Capital, LLC

(Last) (First) (Middle)
440 STEVENS AVE, SUITE 100,
(Street)

SOLANA BEACH, CA 92075

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol
Mirati Therapeutics, Inc. [MRTX]

3. Date of Earliest Transaction
(Month/Day/Year)
10/24/2013

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

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

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

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

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

| 1. Title of Security (Instr. 3) | 2. Transaction Date (Month/Day/Year) | 2A. Deemed Execution Date, if any (Month/Day/Year) | 3. Transaction Code (Instr. 8) | 4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) | 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) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|--|---|
| | | | Code | V | Amount | (A) or (D) | Price |
| Common Stock | 10/24/2013 | | P | | 360,000 | A | \$ 17.5 |
| Common Stock | 10/24/2013 | | P | | 40,000 | A | \$ 17.5 |

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.

SEC 1474 (9-02)

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

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| 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. Transaction Code (Instr. 8) | 5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) | 6. Date Exercisable and Expiration Date (Month/Day/Year) | 7. Title and Amount of Underlying Securities (Instr. 3 and 4) | 8. Price of Derivative Security (Instr. 5) | 9. Nu Deriv Secur Bene Own Follo Repo Trans (Instr |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|--|--|
| | | | | | | Date Exercisable | Expiration Date | Title | Amount or Number of Shares |
| | | | | | | Code | V | (A) | (D) |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|--|---------------|-----------|---------|-------|
| | Director | 10% Owner | Officer | Other |
| Boxer Capital, LLC 440 STEVENS AVE, SUITE 100 SOLANA BEACH, CA 92075 | | X | | |
| Boxer Asset Management Inc. C/O CAY HOUSE P.O. BOX N-7776 E.P. TAYLOR DRIVE LYFORD CAY NEW PROVIDENCE, C5 | | | X | |
| MVA Investors, LLC 440 STEVENS AVE, SUITE 100 SOLANA BEACH, CA 92075 | | X | | |
| LEWIS JOSEPH C/O CAY HOUSE P.O. BOX N-7776 E.P. TAYLOR DRIVE LYFORD CAY NEW PROVIDENCE, C5 | | | X | |

Signatures

| | |
|---------------------------------|------------|
| /s/ Aaron Davis | 10/28/2013 |
| **Signature of Reporting Person | Date |
| /s/ Jefferson Voss | 10/28/2013 |
| **Signature of Reporting Person | Date |
| /s/ Christopher Fuglesang | 10/28/2013 |
| **Signature of Reporting Person | Date |
| /s/ Joseph C. Lewis | 10/28/2013 |

__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).

These securities are owned directly by Boxer Capital, LLC ("Boxer Capital"), which may be deemed to be a member of a "group" for purposes of Section 13(d) of the Securities Exchange Act of 1934, as amended, consisting of (i) Boxer Capital, (ii) Boxer Asset Management Inc. ("Boxer Management"), (iii) MVA Investors, LLC ("MVA Investors"), and (iv) Joseph Lewis (collectively, the "Boxer Group"), and indirectly by Boxer Management and Joseph Lewis, by virtue of their ownership in Boxer Capital.

These securities are owned directly and solely by MVA Investors, which has sole voting and dispositive power with respect to these securities. Each member of the Boxer Group other than MVA Investors disclaims beneficial ownership of these securities to the extent it or he does not have a pecuniary interest therein.

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.