Mirati Therapeutics, Inc. Form 3 January 15, 2016 UNITED STATES SECURITIES AND EXCHANGE COMMISSION **OMB APPROVAL** FORM 3 Washington, D.C. 20549 OMB 3235-0104 Number: January 31, **INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF** Expires: 2005 **SECURITIES** Estimated average

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 <u>*</u> LIEBERBURG IVAN M			2. Date of Event Requiring Statement (Month/Day/Year)	3. Issuer Name and Ticker or Trading Symbol Mirati Therapeutics, Inc. [MRTX]				
(Last)	(First)	(Middle)	01/14/2016	4. Relationship of Reporting Person(s) to Issuer			5. If Amendment, Date Origina Filed(Month/Day/Year)	
440 STEVENS AVE, SUITE 100 (Street)				(Check all applicable) Director X 10% Owner			6. Individual or Joint/Group Filing(Check Applicable Line)	
SOLANA BEACH, CA 92075				OfficerO (give title below) (specify		•	_X_Form filed by One Reportir Person Form filed by More than Or Reporting Person	
(City)	(State)	(Zip)	Table I - Non-Derivative Securities Beneficially Owned					
1.Title of Securi (Instr. 4)	ty		2. Amount of Beneficially (Instr. 4)		3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nat Owne: (Instr.	1	
Common Sto	ck		22,660		D (1)	Â		
Common Stock			1,232,093	1,232,093		See F	e Footnote (2)	
Common Stock			429,340	429,340		See F	e Footnote (3)	

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

SEC 1473 (7-02)

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

1. Title of Derivative Security	2. Date Exercisable and	3. Title and Amount of	4.	5.	6. Nature of Indirect
(Instr. 4)	Expiration Date	Securities Underlying	Conversion	Ownership	Beneficial Ownership
	(Month/Day/Year)	Derivative Security	or Exercise	Form of	(Instr. 5)

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	Date Exercisable	Expiration Date	(Instr. 4) Title	Amount or Number of Shares	Price of Derivative Security	Derivative Security: Direct (D) or Indirect (I) (Instr. 5)	
Warrant (right to purchase)	(4)	11/21/2017	Common Stock	189,780	\$ 7.86	D (2)	Â
Warrant (right to purchase)	(4)	11/21/2017	Common Stock	78,186	\$ 7.86	D (5)	Â

Reporting Owners

Relationships					
Officer	Other				
Â	Â				
	Â				

Signatures

/s/ Ivan M. Lieberburg <u>**Signature of</u> Reporting Person 01/15/2016 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).

These securities are owned directly by the reporting person, who 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, LLC ("Boxer Capital"), (ii) Boxer Asset

(1) Management Inc. ("Boxer Management"), (iii) MVA Investors, LLC ("MVA Investors"), (iv) Braslyn Ltd., (v) Joe Lewis, (vi) the reporting person, (vii) Christopher Fuglesang, (viii) Rodney W. Lappe, (ix) Aaron I. Davis, (x) Neil Reisman, (xi) Shehan B. Dissanayake, (xii) Peter E. Harwin, and (xiii) William N. Harwin 2012 Gift Trust F/B/O Peter Harwin. On January 14, 2016, Boxer Capital transferred 791,139 shares of the common stock of the issuer, pro rata for no consideration as part of an internal reorganization.

These securities are owned directly by Boxer Capital, and indirectly by the reporting person, Boxer Management and Joe Lewis, by virtue of their ownership in Boxer Capital. The reporting person disclaims beneficial ownership of these securities to the extent he does not have

- (2) of their ownership in Boxer Capital. The reporting person discrains beneficiar ownership of these securities to the extent he does not have a pecuniary interest therein. On January 14, 2016, Boxer Capital transferred 791,139 shares of the common stock of the issuer, pro-rata for no consideration as part of an internal reorganization.
- These securities are owned directly and solely by MVA Investors, which has sole voting and dispositive power with respect to these(3) securities. The reporting person is a member of MVA Investors. The reporting person disclaims beneficial ownership of these securities to the extent he does not have a pecuniary interest therein.
- (4) The warrants are not exercisable to the extent that, following exercise of such warrants, the warrant holder would beneficially own more than 19.99% of the issuer's common stock.
- (5) These securities are owned directly and solely by MVA Investors. The reporting person disclaims beneficial ownership of these securities to the extent 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.