Mirati Therapeutics, Inc.

Form 3

January 15, 2016

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

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF

OMB APPROVAL

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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 2. Date of Event Requiring 3. Issuer Name and Ticker or Trading Symbol Person * Statement Mirati Therapeutics, Inc. [MRTX] William N. Harwin 2012 Gift (Month/Day/Year) Trust F/B/O Peter Harwin 01/14/2016 (First) (Last) (Middle) 4. Relationship of Reporting 5. If Amendment, Date Original Person(s) to Issuer Filed(Month/Day/Year) 440 STEVENS AVE, SUITE 100 (Check all applicable) (Street) 6. Individual or Joint/Group Filing(Check Applicable Line) __X__ 10% Owner Director _X_ Form filed by One Reporting Officer Other Person (give title below) (specify below) **SOLANA** Form filed by More than One BEACH. CAÂ 92075 Reporting Person (City) (State) (Zip) Table I - Non-Derivative Securities Beneficially Owned 4. Nature of Indirect Beneficial 1. Title of Security 2. Amount of Securities Beneficially Owned Ownership Ownership (Instr. 4) (Instr. 4) Form: (Instr. 5) Direct (D) or Indirect (I) (Instr. 5) D (1) Â Common Stock 891 Common Stock 1,232,093 I See Footnote (2) Reminder: Report on a separate line for each class of securities beneficially SEC 1473 (7-02) 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.

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	4. Conversion or Exercise		6. Nature of Indirect Beneficial Ownership (Instr. 5)
		(Instr. 4)	Price of	Derivative	

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	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	Derivative Security	Security: Direct (D) or Indirect (I) (Instr. 5)	
Warrant (right to purchase)	(3)	11/21/2017	Common Stock	189,780	\$ 7.86	D (2)	Â

Reporting Owners

Reporting Owner Name / Address

Director 10% Owner Officer Other

William N. Harwin 2012 Gift Trust F/B/O Peter Harwin

440 STEVENS AVE, SUITE 100

ÂÂX ÂX Â

Signatures

/s/ William N. Harwin, as Trustee

SOLANA BEACH, CAÂ 92075

01/15/2016

**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).

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

- Management Inc. ("Boxer Management"), (iii) MVA Investors, LLC, (iv) Braslyn Ltd., (v) Joe Lewis, (vi) the reporting person, (vii) Christopher Fuglesang, (viii) Rodney W. Lappe, (ix) Ivan M. Lieberburg, (x) Aaron I. Davis, (xi) Neil Reisman, (xii) Shehan B. Dissanayake, and (xiii) Peter E. Harwin. The reporting person is a member of Boxer Capital. 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 it 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.
- (3) 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.

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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