Mirati Therapeutics, Inc. Form SC 13G/A February 09, 2016

CUSIP NO. 60468T105
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13G

UNITED STATES

SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

SCHEDULE 13G

Under the Securities Exchange Act of 1934

(Amendment No. 1) \star

MIRATI THERAPEUTICS, INC.

(Name of Issuer)

Common Stock, \$0.001 par value per share

(Title of Class of Securities)

60468T105

(CUSIP Number)

December 31, 2015

(Date of Event Which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

- [X] Rule 13d 1(b)
- [] Rule 13d 1(c)
- [] Rule 13d 1(d)

*The remainder of this cover page shall be filled out for a reporting person's

initial filing on this form with respect to the subject class of securities, and

for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed

to be "filed" for the purpose of Section 18 of the Securities Exchange Act of

1934 ("Act") or otherwise subject to the liabilities of that section of the Act

but shall be subject to all other provisions of the Act (however, see the Notes).

Page	CUSIP 2 of		60468T	105			13G			
	1.	NAME	S OF RI	EPORTING PER	SONS.					
		Fran	klin Re	sources, Inc						
	2.	CHEC	CK THE A	APPROPRIATE 1	BOX IF 2	A ME	MBER	OF A GROUE		
		(a) (b)	X							
	3.	SEC	USE ONI	LY						
	4.	CITI	ZENSHII	P OR PLACE OF	F ORGAN	IZAT	ION			
		Dela	ware							
	NUMBE	CR OF	SHARES	BENEFICIALL	Y OWNED	ВҮ	EACH	REPORTING	PERSON	WITH:

5.

SOLE VOTING POWER

		(See Item 4)
	6.	SHARED VOTING POWER
		(See Item 4)
	7.	SOLE DISPOSITIVE POWER
		(See Item 4)
	8.	SHARED DISPOSITIVE POWER
		(See Item 4)
9.	AGGRE	GATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON
	613 , 9	96
10.	CHECK	IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES
	CERTA	IN SHARES []
11.	PERCEI	NT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)
	3.2%	

12. TYPE OF REPORTING PERSON

HC, CO (See Item 4)

CUSIP 3 of	NO. 60468T105 13G	
1.	NAMES OF REPORTING PERSONS.	
	Charles B. Johnson	
2.	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP	
	(a) (b) X	
3.	SEC USE ONLY	
4.	CITIZENSHIP OR PLACE OF ORGANIZATION	
	USA	
NUMBE	R OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERS	ON WITH:

5. SOLE VOTING POWER

		(See Item 4)
	6.	SHARED VOTING POWER
		(See Item 4)
	7.	SOLE DISPOSITIVE POWER
		(See Item 4)
	8.	SHARED DISPOSITIVE POWER
		(See Item 4)
9.	AGGRE	GATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON
	613,	996
10.	CHECK	IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES
	CERTA:	IN SHARES []
11.	PERCE	NT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)
	3.2%	

12. TYPE OF REPORTING PERSON

HC, IN (See Item 4)

Page				60468	Г105			13	3G					
	1.		NAME	ES OF	REPORTIN	IG PERSO	ONS.							
			Rupe	rt H.	Johnson	, Jr.								
	2.		CHEC	CK THE	APPROPI	RIATE BO	OX IF <i>I</i>	A MEME	BER (OF A G	ROUP			
			(a)	X										
	3.		SEC	USE O	NLY									
	4.		CITI	IZENSH	IP OR PI	LACE OF	ORGANI	IZATIC	ON					
			USA											
	NUI	MBEI	R OF	SHARE	S BENEFI	ICIALLY	OWNED	BY EA	ACH :	REPORT	ING	PERSON	WITH:	

5. SOLE VOTING POWER

		(See Item 4)
	6.	SHARED VOTING POWER
		(See Item 4)
	7.	SOLE DISPOSITIVE POWER
		(See Item 4)
	8.	SHARED DISPOSITIVE POWER
		(See Item 4)
9.	AGGRE	GATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON
	613,	996
10.	CHECK	I IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES
	CERTA:	IN SHARES []
11.	PERCE	ENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)
	3.2%	

12. TYPE OF REPORTING PERSON

HC, IN (See Item 4)

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    Item 1.
    (a) Name of Issuer
         MIRATI THERAPEUTICS, INC.
    (b) Address of Issuer's Principal Executive Offices
           9393 Tower Centre Drive, Suite 200
          San Diego, CA 92121
    Item 2.
    (a) Name of Person Filing
          (i): Franklin Resources, Inc.
          (ii): Charles B. Johnson
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CUSIP NO. 60468T105

	(iii): Rupert H. Johnson, Jr.
(b)	Address of Principal Business Office or, if none, Residence
	(i), (ii), and (iii):
	One Franklin Parkway
	San Mateo, CA 94403 1906
(c)	Citizenship
	(i): Delaware
	(ii) and (iii): USA
(d)	Title of Class of Securities
	Common Stock, \$0.001 par value per share
<i>(</i>)	
(e)	CUSIP Number
	60468T105

CUSIP Page 6 of	NO. 6046	8T105	13G	
Item 240.13d 2((b) or (c)		ed pursuant to \$\\$240.13d filing is a:	1(b) or
U.S.C. 78c		Broker or dealer reg	gistered under section 15	of the Act (15
78c).	(b) []	Bank as defined in s	section 3(a)(6) of the Ac	t (15 U.S.C.
(15 U.S.C.		Insurance company as	s defined in section 3(a)	(19) of the Act
Investment	Company		registered under section a 8).	8 of the
\$240.13d 1			er in accordance with	
with §240.		An employee benefit	plan or endowment fund i	n accordance

(1)(ii)(F);

(g) [X] A parent holding company or control person in accordance with $\$240.13d\ 1(b)$

(1)(ii)(G);

(h) [] A savings associations as defined in Section 3(b) of the Federal Deposit $\,$

Insurance Act (12 U.S.C. 1813);

under section 3(c)(14) of the Investment Company Act of 1940 (15 U.S.C.

80a 3);

(j) [] A non U.S. institution in accordance with $\$240.13d\ 1(b)\ (ii)\ (J);$

(k) [] Group, in accordance with \$240.13d 1(b)(1)(ii)(K).

If filing as a non U.S. institution in accordance with $\$240.13d\ 1(b)\ (1)\ (ii)\ (J)$,

please specify the type of institution:

Item 4. Ownership

The securities reported herein are beneficially owned by one or more open or closed

 $\,$ end investment companies or other managed accounts that are investment management clients

of investment managers that are direct and indirect subsidiaries (each, an "Investment"

Management Subsidiary" and, collectively, the "Investment Management Subsidiaries") of

Franklin Resources, Inc.("FRI"), including the Investment Management Subsidiaries listed

in this Item 4. When an investment management contract (including a sub advisory

agreement) delegates to an Investment Management Subsidiary investment discretion or

voting power over the securities held in the investment advisory accounts that are subject

to that agreement, FRI treats the Investment Management Subsidiary as having sole

investment discretion or voting authority, as the case may be, unless the agreement

specifies otherwise. Accordingly, each Investment Management Subsidiary reports on

Schedule 13G that it has sole investment discretion and voting authority over the $\frac{1}{2}$

securities covered by any such investment management agreement, unless otherwise noted in

this Item 4. As a result, for purposes of Rule $13d\ 3$ under the Act, the Investment

Management Subsidiaries listed in this Item 4 may be deemed to be the beneficial owners of

the securities reported in this Schedule 13G.

Beneficial ownership by Investment Management Subsidiaries and other FRI affiliates is

being reported in conformity with the guidelines articulated by the SEC staff in Release $\ \ \,$

No. $34\ 39538$ (January 12, 1998) relating to organizations, such as FRI, where related

entities exercise voting and investment powers over the securities being reported

independently from each other. The voting and investment powers held by Franklin Mutual $\,$

Advisers, LLC ("FMA"), an indirect wholly owned Investment Management Subsidiary, are

exercised independently from FRI and from all other Investment Management Subsidiaries

(FRI, its affiliates and the Investment Management Subsidiaries other than ${\sf FMA}$ are

collectively, "FRI affiliates"). Furthermore, internal policies and procedures of FMA and

 ${\tt FRI}$ establish informational barriers that prevent the flow between FMA and the ${\tt FRI}$

affiliates of information that relates to the voting and investment powers over the $\ensuremath{\mathsf{E}}$

securities owned by their respective investment management clients. Consequently, FMA and

the FRI affiliates report the securities over which they hold investment and voting power

separately from each other for purposes of Section 13 of the Act.

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Charles B. Johnson and Rupert H. Johnson, Jr. (the "Principal Shareholders") each own in

excess of 10% of the outstanding common stock of FRI and are the principal stockholders of

FRI. FRI and the Principal Shareholders may be deemed to be, for purposes of Rule $13d\ 3$

under the Act, the beneficial owners of securities held by persons and entities for whom

or for which FRI subsidiaries provide investment management services. The number of

shares that may be deemed to be beneficially owned and the percentage of the class of

which such shares are a part are reported in Items 9 and 11 of the cover pages for FRI and

each of the Principal Shareholders. FRI, the Principal Shareholders and each of the

Investment Management Subsidiaries disclaim any pecuniary interest in any of such

securities. In addition, the filing of this Schedule 13G on behalf of the Principal

Shareholders, FRI and the FRI affiliates, as applicable, should not be construed as an

admission that any of them is, and each of them disclaims that it is, the beneficial

owner, as defined in Rule 13d 3, of any of the securities reported in this Schedule 13G.

FRI, the Principal Shareholders, and each of the Investment Management Subsidiaries

believe that they are not a "group" within the meaning of Rule 13d 5 under the Act and

that they are not otherwise required to attribute to each other the beneficial ownership

of the securities held by any of them or by any persons or entities for whom or for which

the Investment Management Subsidiaries provide investment management services.

(a) Amount beneficially owned:

613,996

(b) Percent of class:

3.2%

- (c) Number of shares as to which the person has:
 - (i) Sole power to vote or to direct the vote

Franklin Resources,

Inc.:

Johnson:		Charles B.		0
Jr.:		Rupert H. Johnson,	0	
Inc.:		Franklin Advisers,	613 , 996	
	(ii)	Shared power to vote or t	o direct the	vote
		0		
	(iii)	Sole power to dispose or	to direct the	disposition of
Inc.:		Franklin Resources,	0	
Johnson:		Charles B.		0
Jr.:		Rupert H. Johnson,	0	
Inc.:		Franklin Advisers,	613,996	

(iv) Shared power to dispose or to direct the disposition of

0

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Item 5. Ownership of Five Percent or Less of a Class

If this statement is being filed to report the fact that as of the date hereof

 $\hbox{the reporting person has ceased to be the beneficial owner of more } \\$

percent of the class of securities, check the following [X].

Item 6. Ownership of More than Five Percent on Behalf of Another Person

The clients of the Investment Management Subsidiaries, including investment

companies registered under the Investment Company Act of 1940 and other

managed accounts, have the right to receive or power to direct the

receipt of

dividends from, and the proceeds from the sale of, the securities reported $% \left(1\right) =\left(1\right) \left(1\right) +\left(1\right) \left(1\right) \left(1\right) +\left(1\right) \left(1$

herein.

Item 7. Identification and Classification of the Subsidiary Which Acquired the $\ensuremath{\mathsf{Acquired}}$

Security Being Reported on By the Parent Holding Company

See Attached Exhibit C

Item 8. Identification and Classification of Members of the Group

Not Applicable

Item 9. Notice of Dissolution of Group

Not Applicable

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Item 10. Certification

By signing below I certify that, to the best of my knowledge and belief, the

securities referred to above were acquired and are held in the ordinary course of

business and were not acquired and are not held for the purpose of or with the $\ensuremath{\mathsf{E}}$

effect of changing or influencing the control of the issuer of the securities and

were not acquired and are not held in connection with or as a participant in any $\ensuremath{\mathsf{S}}$

transaction having that purpose or effect.

Exhibits

Exhibit A Joint Filing Agreement

Exhibit B Limited Powers of Attorney for Section 13 Reporting Obligations

Exhibit C Item 7 Identification and Classification of Subsidiaries

SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct. Dated: January 25, 2016 Franklin Resources, Inc. By: /s/LORI ANN WEBER Lori Ann Weber Assistant Secretary of Franklin Resources, Inc. Charles B. Johnson Rupert H. Johnson, Jr. By: /s/ROBERT C. ROSSELOT Robert C. Rosselot

Attorney in Fact for Charles B. Johnson pursuant to Power of Attorney

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attached to this Schedule 13G

$\label{eq:Attorney} \mbox{Attorney in Fact for Rupert H. Johnson, Jr. pursuant to Power of Attorney}$

attached to this Schedule 13G

Page	CUSIP NO. 60468T105 10 of 13	13G
	EXHIBIT A	
	JOINT FILING AGREEMENT	
as ar	In accordance with Rule 13d 1(k) under mended,	the Securities Exchange Act of 1934,
atta	the undersigned hereby agree to the jointhed	int filing with each other of the
such	statement on Schedule 13G and to all an	mendments to such statement and that
of tl	statement and all amendments to such st hem.	catement are made on behalf of each
Janua	IN WITNESS WHEREOF, the undersigned havary 25, 2016.	ve executed this agreement on
	Franklin Resources Inc	

By: /s/LORI ANN WEBER

Lori Ann Weber

Assistant Secretary of Franklin Resources, Inc.

Charles B. Johnson

Rupert H. Johnson, Jr.

By: /s/ROBERT C. ROSSELOT

Robert C. Rosselot

Attorney in Fact for Charles B. Johnson pursuant to Power of Attorney attached to this Schedule 13G

Attorney

Attorney in Fact for Rupert H. Johnson, Jr. pursuant to Power of

attached to this Schedule 13G

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EXHIBIT B

LIMITED POWER OF ATTORNEY

FOR

SECTION 13 REPORTING OBLIGATIONS

Know all by these presents, that the undersigned hereby makes, constitutes and appoints $\ensuremath{\mathsf{S}}$

each of Robert Rosselot and Maria Gray, each acting individually, as the under signed's

true and lawful attorney in fact, with full power and authority as hereinafter described

on behalf of and in the name, place and stead of the undersigned to:

(1) prepare, execute, acknowledge, deliver and file Schedules 13D and 13G (including

any amendments thereto or any related documentation) with the United States Securities and

Exchange Commission, any national securities exchanges and Franklin Resources, Inc., a

Delaware corporation (the "Reporting Entity"), as considered necessary or advisable under

Section 13 of the Securities Exchange Act of 1934 and the rules and regulations

promulgated thereunder, as amended from time to time (the "Exchange Act"); and

(2) perform any and all other acts which in the discretion of such attorney in fact

are necessary or desirable for and on behalf of the undersigned in connection with the

foregoing.

The undersigned acknowledges that:

(1) this Limited Power of Attorney authorizes, but does not require, each such

attorney in fact to act in their discretion on information provided to such attorney in fact without independent verification of such information;

(2) any documents prepared and/or executed by either such attorney in fact on behalf of

the undersigned pursuant to this Limited Power of Attorney will be in such form and will

contain such information and disclosure as such attorney in fact, in his or her

discretion, deems necessary or desirable;

(3) neither the Reporting Entity nor either of such attorneys in fact assumes (i) any

liability for the undersigned's responsibility to comply with the requirements of the

Exchang	e Act	or	(ii)	any	liability	of	the	undersigned	for	any	failure	to
comply with	such											

requirements; and

(4) this Limited Power of Attorney does not relieve the undersigned from responsibility

for compliance with the undersigned's obligations under the Exchange Act, including

without limitation the reporting requirements under Section 13 of the Exchange Act.

The undersigned hereby gives and grants each of the foregoing attorneys in fact full $% \left(1\right) =\left(1\right) +\left(1\right$

power and authority to do and perform all and every act and thing whatsoever requisite, $\ensuremath{\mathsf{c}}$

necessary or appropriate to be done in and about the foregoing matters as fully to all

intents and purposes as the undersigned might or could do if present, hereby ratifying all

that each such attorney in fact of, for and on behalf of the undersigned, shall lawfully

do or cause to be done by virtue of this Limited Power of Attorney.

This Limited Power of Attorney shall remain in full force and effect until revoked by

the undersigned in a signed writing delivered to each such attorney in fact.

IN WITNESS WHEREOF, the undersigned has caused this Limited Power of Attorney to be $% \left(1\right) =\left(1\right) +\left(1\right)$

executed	as	of	this	30th	day	of
 Apr	il			2007		

/s/Charles B. Johnson

Signature

Charles B. Johnson

Print Name

CUSIP NO. 60468T105

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LIMITED POWER OF ATTORNEY

FOR

SECTION 13 REPORTING OBLIGATIONS

Know all by these presents, that the undersigned hereby makes, constitutes and

appoints each of Robert Rosselot and Maria Gray, each acting individually, as the

undersigned's true and lawful attorney in fact, with full power and authority as $\frac{1}{2}$

hereinafter described on behalf of and in the name, place and stead of the undersigned to:

(1) prepare, execute, acknowledge, deliver and file Schedules 13D and 13G (including

any amendments thereto or any related documentation) with the United States Securities and $\ensuremath{\mathsf{S}}$

Exchange Commission, any national securities exchanges and Franklin Resources, Inc., a

Delaware corporation (the "Reporting Entity"), as considered necessary or advisable under

Section 13 of the Securities Exchange Act of 1934 and the rules and regulations

promulgated thereunder, as amended from time to time (the "Exchange Act"); and

(2) perform any and all other acts which in the discretion of such attorney in fact

are necessary or desirable for and on behalf of the undersigned in connection with the $\ensuremath{\mathsf{connection}}$

foregoing.

The undersigned acknowledges that:

(1) this Limited Power of Attorney authorizes, but does not require, each such

attorney in fact to act in their discretion on information provided to such attorney in fact without independent verification of such information;

(2) any documents prepared and/or executed by either such attorney in fact on behalf of

the undersigned pursuant to this Limited Power of Attorney will be in such form and will

contain such information and disclosure as such attorney in fact, in his or her

discretion, deems necessary or desirable;

(3) neither the Reporting Entity nor either of such attorneys in fact assumes (i) any

liability for the undersigned's responsibility to comply with the requirements of the

Exchange Act or (ii) any liability of the undersigned for any failure to comply with such

requirements; and

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(4) this Limited Power of Attorney does not relieve the undersigned from responsibility
for compliance with the undersigned's obligations under the Exchange Act, including
without limitation the reporting requirements under Section 13 of the Exchange Act.
The undersigned hereby gives and grants each of the foregoing attorneys in fact full
power and authority to do and perform all and every act and thing whatsoever requisite,
necessary or appropriate to be done in and about the foregoing matters as fully to all
intents and purposes as the undersigned might or could do if present, hereby ratifying all
that each such attorney in fact of, for and on behalf of the undersigned, shall lawfully
do or cause to be done by virtue of this Limited Power of Attorney.
This Limited Power of Attorney shall remain in full force and effect until revoked by
the undersigned in a signed writing delivered to each such attorney in fact
IN WITNESS WHEREOF, the undersigned has caused this Limited Power of Attorney to be
executed as
of this <u>25th</u> day of <u>April</u> , 2007
/s/ Rupert H. Johnson,
Tr

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Signature

Rupert H. Johnson, Jr.

Print Name

CUSIP NO. 60468T105

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EXHIBIT C

Franklin Advisers, Inc. Classification: 3(e)

Item 3