505065184 08/27/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5111940

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MICHAEL SHEVLIN	07/18/2018
ZHIJIAN LIU	07/18/2018
JOHN Y. L. CHUNG	07/18/2018
FENG XU	07/18/2018
DONGFANG MENG	07/18/2018
VENUGOPAL GUDIPATI	08/02/2018

RECEIVING PARTY DATA

Name:	MERCK SHARP & DOHME CORP.
Street Address:	126 EAST LINCOLN AVE
Internal Address:	RY86-2011A
City:	RAHWAY
State/Country:	NEW JERSEY
Postal Code:	07065

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16074141

CORRESPONDENCE DATA

Fax Number: (732)594-4720

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Email: us efs@merck.com

Correspondent Name: PATRICIA A. SHATYNSKI **Address Line 1:** 126 EAST LINCOLN AVE

Address Line 2: RY86-2011A

Address Line 4: RHAWAY, NEW JERSEY 07065

ATTORNEY DOCKET NUMBER:	24289-US-PCT
NAME OF SUBMITTER:	MICHELLE A. SISKO
SIGNATURE: /Michelle A. Sisko/	
DATE SIGNED:	08/27/2018

PATENT REEL: 046713 FRAME: 0744

Total Attachments: 12 source=24289-MSDCorp-ASSIGN#page1.tif source=24289-MSDCorp-ASSIGN#page2.tif source=24289-MSDCorp-ASSIGN#page3.tif source=24289-MSDCorp-ASSIGN#page4.tif source=24289-MSDCorp-ASSIGN#page5.tif source=24289-MSDCorp-ASSIGN#page6.tif source=24289-MSDCorp-ASSIGN#page7.tif source=24289-MSDCorp-ASSIGN#page8.tif source=24289-MSDCorp-ASSIGN#page9.tif source=24289-MSDCorp-ASSIGN#page10.tif source=24289-MSDCorp-ASSIGN#page11.tif source=24289-MSDCorp-ASSIGN#page12.tif

PATENT REEL: 046713 FRAME: 0745

Attorney Docket No.: 24289

WORLDWIDE ASSIGNMENT

WHEREAS, I/WE,

(1)	Michael Shevlin	, located at	Middlesex, New Jersey	
(2)	Zhijian Liu	located at	Kendali Park, New Jersey	
(3)	John Y.L. Chung	located at	Edison, New Jersey	
(4)	Feng Xu	located at	Staten Island, New York	
(5)	Dongfang Meng	, located at	Morganville, New Jersey	
(6)	Venugopal Gudipati	, located at	Telangana, India	

(hereinafter ASSIGNOR(S)), together with <u>Aaron M. Dumas</u>, located at <u>Hoddesdon, Hertfordshire, UK</u>, and <u>Jeremy P. Scott</u>, located at <u>Hoddesdon, Hertfordshire, UK</u>, are the inventors of the invention described in an application for Patents having the Attorney Docket Number indicated above and the following Title of the Invention:

METHODS OF PREPARING HYDROXYLAMINE DERIVATIVES USEFUL IN THE PREPARATION OF ANTI-INFECTIVE AGENTS

and/or in the following application(s):

U.S. Provisional Application No. <u>62/290,990</u> filed on <u>February 4, 2016;</u>
U.S. Application No. ______ having a filing date of ______; and PCT International Application No. <u>PCT/US17/015541</u> having a filing date of <u>January 30, 2017.</u>

WHEREAS I/WE covenant that the rights and property herein conveyed are free and clear of any encumbrance, and that I/we have the full right to convey the same as herein expressed.

WHEREAS, Merck Sharp & Dohme Corp., a corporation organized under the laws of the State of New Jersey, having an office at 126 East Lincoln Avenue, Rahway, New Jersey 07065, and its successors, assigns and legal representatives (hereinafter **ASSIGNEE**), is desirous of obtaining the entire right, title and interest in, to and under the invention disclosed in said application or applications;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I/we, said ASSIGNOR(S), do each hereby sell, assign and transfer or confirm the grant and assignment to said ASSIGNEE my/our entire right, title and interest in all countries of the world in and to my/our invention described in said application for Patents, in and to the right to file patent applications in the name of ASSIGNEE, its designee, or in any or all of our names, at its election, on the aforesaid invention in all countries of the world, together with all rights of priority in the aforesaid countries deriving from the above-identified application for Patents under the International Convention for the Protection of Industrial Property, under the Inter-American Convention relating to Inventions, Patents, Designs and Industrial Models and under any other international arrangement relating to patents or intellectual property, in and to any and all Letters Patent that are granted from the aforesaid application for Patents, in and to any applications claiming priority benefits to a provisional patent application or other applications filed on said invention, and in and to any continuations, divisions, reexaminations, reissues, renewals and extensions thereof of any of said Letters Patent, the same to be held and enjoyed by said ASSIGNEE, to the full ends of the terms for which all Letters Patent therefore may be granted, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

AND I/WE HEREBY covenant and agree that we will at any time, upon the request and at the expense of ASSIGNEE, without further compensation or charge to said ASSIGNEE, execute and deliver any and all documents that may be necessary or desirable to perfect the title to the foregoing invention, patent applications, and Letters Patent and continuations, divisions, reexaminations, reissues, renewals and extensions thereof in the name of ASSIGNEE, including the execution and procurement of any and all further documents evidencing this assignment and sale as may be necessary or desirable for recording the same in the Patent Office of any country concerned, and will make all rightful oaths and declarations and do all lawful acts requisite for procuring the same or for aiding therein.

I/WE HEREBY authorize **ASSIGNEE** to insert in this instrument the Application Number(s) and the filing date(s) of said application for Patents when officially notified thereof.

This document may be executed in any number of counterparts, each of which so executed shall be deemed to be an original, but all such components shall together constitute but one and the same document.

Computer Generated Template "Assignment-Merck Sharp & Dohme. Single Assignee Worldwide" (Assignment) Merck Sharp & Dohme Corp. 11/04/2010

Executed this 18 day of July	, 20 <u>^{§§}.</u>							
Michael Shevlin								
ACKNOWLEDGEMENT State of	ed in and	who exe	ly appeare cuted the lurpose set	foregoin forth	e me <u>Mic</u> g instrun	hael She nent, and	e <u>vlin</u> to me l'acknowl () A. () ()	e known edged
			KATTAR NOTAR My Comm	15.778 1905.7 1800.00	00000 00000 100000	Y LALL W JEPS Wns 20, ;	Y Xey XV22	X X X X 2
Executed this 18 day of July .	. 20.18							
ACKNOWLEDGEMENT								
State of New JWSEU		}						
County of UN (OV)) \$.\$.:)						
On this 1817 day of 3114 known by me to be the same person described in he (she) executed the same, of his (her) own free	and who	personal execute	ly appeare d the foreg fe set forth	oing ins	me <u>Zhij</u> trument,	ian Liu to and ack	me knov nowledge	vn, and d that
(Seal)		40	Notary Pr	wblic	Wa	y (tali	4
			KAYW	8. 108 à 90	* 8 8 A 25X	* * * * * * * *		

KATHERING MARY LALLY NOTARY PUBLING NE**W JESSEY** My Commission Expires June **20, 212**2

Executed this 18 day of July	, 20 <u> (</u> &
V.	, m"/
John Y.L. Chung	
ACKNOWLEDGEMENT	
State of <u>New Jevsey</u>	
County of UNITY) s.s.:)
On this 1855 day of This known, and known by me to be the same berson acknowledged that he (she) executed the same,	, 20 8, personally appeared before me John Y.L. Chung to me described in and who executed the foregoing instrument, and of his (her) own free will for the purpose set forth.
(Seal)	Karkein May Lall
	KATHERINE MARY LALLY NOTARY PUBLIC OF NEW JESSEY Ny Commission Explose June 20, 2022
Executed this Alad day of Twife	, 20 18.
Feng Xu	
ACKNOWLEDGEMENT	
State of New Jevseu)
County of UNION) s.s.:)
On this 18th day of 11444 known by me to be the same person described in he (she) executed the same, of his (her) own free	, 20 , personally appeared before me <u>Feng Xu</u> to me known, and and who executed the foregoing instrument, and acknowledged that will for the purpose set forth.
(Seal)	Kartin Way Tally Notary Public y Tally
	KATHERINE MARY LALLY

Executed this day of	, 20
Dongfang Meng	
ACKNOWLEDGEMENT	
State of	
County of	
known, and known by me to be the same person	, 20, personally appeared before me <u>Dongfang Meng</u> to me described in and who executed the foregoing instrument, and of his (her) own free will for the purpose set forth.
(Seal)	
	Notary Public
Executed this day of	, 20
Venugopal Gudipati	
ACKNOWLEDGEMENT	
State of)
State of) s.s.:
known, and known by me to be the same person	, 20, personally appeared before me <u>Venugopal Gudipati</u> to me described in and who executed the foregoing instrument, and of his (her) own free will for the purpose set forth.
Witness #1:	Witness #2:
[Witness #1 Signature]	[Witness #2 Signature]
[Witness #1 Print Name]	[Witness #2 Print Name]

Attorney Docket No.: 24289

WORLDWIDE ASSIGNMENT

WHEREAS, I/WE,

(1)	Michael Shevlin	 located at	Middlesex, New Jersey
(2)	Zhijian Liu	located at	Kendall Park, New Jersey
(3)	John Y.L. Chung	 located at	Edison, New Jersey
(4)	Feng Xu	 located at	Staten Island, New York
(5)	Dongfang Meng	 located at	Morganville, New Jersey
(6)	Venugopal Gudipati	located at	Telangana, India

(hereinafter ASSIGNOR(S)), together with <u>Aaron M. Dumas</u>, located at <u>Hoddesdon, Hertfordshire, UK</u>, and <u>Jeremy P. Scott</u>, located at <u>Hoddesdon, Hertfordshire, UK</u>, are the inventors of the invention described in an application for Patents having the Attorney Docket Number indicated above and the following Title of the Invention:

METHODS OF PREPARING HYDROXYLAMINE DERIVATIVES USEFUL IN THE PREPARATION OF ANTI-INFECTIVE AGENTS

and/or in the following application(s):

U.S. Provisional Application No. <u>62/290,990</u> filed on <u>February 4, 2016;</u>
U.S. Application No. ______ having a filing date of ______; and PCT International Application No. <u>PCT/US17/015541</u> having a filing date of <u>January 30, 2017</u>.

WHEREAS I/WE covenant that the rights and property herein conveyed are free and clear of any encumbrance, and that I/we have the full right to convey the same as herein expressed.

WHEREAS, Merck Sharp & Dohme Corp., a corporation organized under the laws of the State of New Jersey, having an office at 126 East Lincoln Avenue, Rahway, New Jersey 07065, and its successors, assigns and legal representatives (hereinafter **ASSIGNEE**), is desirous of obtaining the entire right, title and interest in, to and under the invention disclosed in said application or applications;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I/we, said ASSIGNOR(S), do each hereby sell, assign and transfer or confirm the grant and assignment to said ASSIGNEE my/our entire right, title and interest in all countries of the world in and to my/our invention described in said application for Patents, in and to the right to file patent applications in the name of ASSIGNEE, its designee, or in any or all of our names, at its election, on the aforesaid invention in all countries of the world, together with all rights of priority in the aforesaid countries deriving from the above-identified application for Patents under the International Convention for the Protection of Industrial Property, under the Inter-American Convention relating to Inventions, Patents, Designs and Industrial Models and under any other international arrangement relating to patents or intellectual property, in and to any and all Letters Patent that are granted from the aforesaid application for Patents, in and to any applications claiming priority benefits to a provisional patent application or other applications filed on said invention, and in and to any continuations, divisions, reexaminations, reissues, renewals and extensions thereof of any of said Letters Patent, the same to be held and enjoyed by said ASSIGNEE, to the full ends of the terms for which all Letters Patent therefore may be granted, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

AND I/WE HEREBY covenant and agree that we will at any time, upon the request and at the expense of ASSIGNEE, without further compensation or charge to said ASSIGNEE, execute and deliver any and all documents that may be necessary or desirable to perfect the title to the foregoing invention, patent applications, and Letters Patent and continuations, divisions, reexaminations, reissues, renewals and extensions thereof in the name of ASSIGNEE, including the execution and procurement of any and all further documents evidencing this assignment and sale as may be necessary or desirable for recording the same in the Patent Office of any country concerned, and will make all rightful oaths and declarations and do all lawful acts requisite for procuring the same or for aiding therein.

I/WE HEREBY authorize **ASSIGNEE** to insert in this instrument the Application Number(s) and the filing date(s) of said application for Patents when officially notified thereof.

This document may be executed in any number of counterparts, each of which so executed shall be deemed to be an original, but all such components shall together constitute but one and the same document.

Executed this day of	, 20
Michael Shevlin	<u> </u>
ACKNOWLEDGEMENT	
State of	
State of) s.s.:)
On this day of and known by me to be the same person describ- that he (she) executed the same, of his (her) own	, 20, personally appeared before me Michael Shevlin to me known, ed in and who executed the foregoing instrument, and acknowledged a free will for the purpose set forth.
(Seal)	
	Notary Public
Executed this day of	, 20
Zhijian Liu	
ACKNOWLEDGEMENT	
State of) s.s.:
County of) s.s)
On this day of known by me to be the same person described in he (she) executed the same, of his (her) own free	, 20, personally appeared before me <u>Zhijian Liu</u> to me known, and a and who executed the foregoing instrument, and acknowledged that will for the purpose set forth.
(Seal)	
	Notary Public

Executed this day of ,	20
John Y.L. Chung	_
ACKNOWLEDGEMENT	
State of)
County of) s.s.:)
On this day of known, and known by me to be the same person of acknowledged that he (she) executed the same, or	, 20, personally appeared before me <u>John Y.L. Chung</u> to me described in and who executed the foregoing instrument, and of his (her) own free will for the purpose set forth.
(Seal)	
	Notary Public
Executed this day of ,	20
Feng Xu	_
ACKNOWLEDGEMENT	
State of)
County of) s.s.:)
On this day of known by me to be the same person described in he (she) executed the same, of his (her) own free	, 20, personally appeared before me <u>Feng Xu</u> to me known, and and who executed the foregoing instrument, and acknowledged that will for the purpose set forth.
(Seal)	
	Notary Public

Executed this 18 day of 11/19	, 20 <u>/</u> 4
Dongfang Meng	
On this day of known, and known by me to be the same person) s.s.: , 20 , personally appeared before me <u>Dongfang Meng</u> to me in described in and who executed the foregoing instrument, and of bis (her) own free will for the purpose set forth. Notary Public DINA A. KUSTER NOTARY PUBLIC OF NEW JERSEY My Commission Expires 8/7/2020
Executed this day of	
Venugopal Gudipati	
ACKNOWLEDGEMENT	
State of	
County of)
known, and known by me to be the same persor	, 20, personally appeared before me <u>Venugopal Gudipati</u> to me described in and who executed the foregoing instrument, and of his (her) own free will for the purpose set forth.
Witness #1:	Witness #2:
[Witness #1 Signature]	[Witness #2 Signature]
[Witness #1 Print Name]	[Witness #2 Print Name]

Attorney Docket No.: 24289

WORLDWIDE ASSIGNMENT

WHEREAS, I/WE,

(1)	Michael Shevlin ,	located at	Middlesex, New Jersey	
(2)	Zhijian Liu ,	located at	Kendall Park, New Jersey	
(3)	John Y.L. Chung ,	located at	Edison, New Jersey	
(4)	Feng Xu ,	located at	Staten Island, New York	
(5)	Dongfang Meng	located at	Morganville, New Jersey	
(6)	Venugopal Gudipati ,	located at	Telangana, India	

(hereinafter ASSIGNOR(S)), together with <u>Aaron M. Dumas</u>, located at <u>Hoddesdon, Hertfordshire, UK</u>, and <u>Jeremy P. Scott</u>, located at <u>Hoddesdon, Hertfordshire, UK</u>, are the inventors of the invention described in an application for Patents having the Attorney Docket Number indicated above and the following Title of the Invention:

METHODS OF PREPARING HYDROXYLAMINE DERIVATIVES USEFUL IN THE PREPARATION OF ANTI-INFECTIVE AGENTS

and/or in the following application(s):

U.S. Provisional Application No. <u>62/290,990</u> filed on <u>February 4, 2016;</u>
U.S. Application No. _____ having a filing date of _____; and PCT International Application No. <u>PCT/US17/015541</u> having a filing date of <u>January 30, 2017</u>.

WHEREAS I/WE covenant that the rights and property herein conveyed are free and clear of any encumbrance, and that I/we have the full right to convey the same as herein expressed.

WHEREAS, Merck Sharp & Dohme Corp., a corporation organized under the laws of the State of New Jersey, having an office at 126 East Lincoln Avenue, Rahway, New Jersey 07065, and its successors, assigns and legal representatives (hereinafter ASSIGNEE), is desirous of obtaining the entire right, title and interest in, to and under the invention disclosed in said application or applications;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I/we, said ASSIGNOR(S), do each hereby sell, assign and transfer or confirm the grant and assignment to said ASSIGNEE my/our entire right, title and interest in all countries of the world in and to my/our invention described in said application for Patents, in and to the right to file patent applications in the name of ASSIGNEE, its designee, or in any or all of our names, at its election, on the aforesaid invention in all countries of the world, together with all rights of priority in the aforesaid countries deriving from the above-identified application for Patents under the International Convention for the Protection of Industrial Property, under the Inter-American Convention relating to Inventions, Patents, Designs and Industrial Models and under any other international arrangement relating to patents or intellectual property, in and to any and all Letters Patent that are granted from the aforesaid application for Patents, in and to any applications claiming priority benefits to a provisional patent application or other applications filed on said invention, and in and to any continuations, divisions, reexaminations, reissues, renewals and extensions thereof of any of said Letters Patent, the same to be held and enjoyed by said ASSIGNEE, to the full ends of the terms for which all Letters Patent therefore may be granted, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

AND I/WE HEREBY covenant and agree that we will at any time, upon the request and at the expense of ASSIGNEE, without further compensation or charge to said ASSIGNEE, execute and deliver any and all documents that may be necessary or desirable to perfect the title to the foregoing invention, patent applications, and Letters Patent and continuations, divisions, reexaminations, reissues, renewals and extensions thereof in the name of ASSIGNEE, including the execution and procurement of any and all further documents evidencing this assignment and sale as may be necessary or desirable for recording the same in the Patent Office of any country concerned, and will make all rightful oaths and declarations and do all lawful acts requisite for procuring the same or for aiding therein.

IWE HEREBY authorize **ASSIGNEE** to insert in this instrument the Application Number(s) and the filing date(s) of said application for Patents when officially notified thereof.

This document may be executed in any number of counterparts, each of which so executed shall be deemed to be an original, but all such components shall together constitute but one and the same document.

Computer Generated Template "Assignment-Merck Sharp & Dohme. Single Assignee Worldwide" (Assignment) Merck Sharp & Dohme Corp. 11/04/2010

Executed this day of	_ , 20
Michael Shevlin	<u> </u>
ACKNOWLEDGEMENT	
State of)
State of) s.s.:)
On this day of and known by me to be the same person descri that he (she) executed the same, of his (her) ow	, 20, personally appeared before me Michael Shevlin to me known, bed in and who executed the foregoing instrument, and acknowledged in free will for the purpose set forth.
(Seal)	
	Notary Public
Executed this day of	, 20
Zhijian Liu	
ACKNOWLEDGEMENT	
State of)
County of) s.s.:)
On this day of known by me to be the same person described i he (she) executed the same, of his (her) own fre	_ , 20, personally appeared before me <u>Zhijian Liu</u> to me known, and n and who executed the foregoing instrument, and acknowledged that se will for the purpose set forth.
(Seal)	
	Notary Public

Executed this day of	, 20
John Y.L. Chung	
ACKNOWLEDGEMENT	
State of)
County of) s.s.:)
known, and known by me to be the same pers	, 20, personally appeared before me <u>John Y.L. Chung</u> to me son described in and who executed the foregoing instrument, and ne, of his (her) own free will for the purpose set forth.
(Seal)	, , , , , , , , , , , , , , , , , , , ,
	Notary Public
Executed this day of	, 20
Feng Xu	
ACKNOWLEDGEMENT	
State of	
County of) s.s.:)
	, 20, personally appeared before me <u>Feng Xu</u> to me known, and d in and who executed the foregoing instrument, and acknowledged tha
(Seal)	
	Notary Public

Executed this day of	, 20	
Dongfang Meng		
ACKNOWLEDGEMENT		
State of)	
County of) s.s)	
On this day of _ known, and known by me to be acknowledged that he (she) exe	, 20, personally the same person described in and w ecuted the same, of his (her) own free	appeared before me <u>Dongfang Meng</u> to me ho executed the foregoing instrument, and will for the purpose set forth.
(Seal)		
		Notary Public
Executed this day of	. 20 Cole Aug-2-2018	
ACKNOWLEDGEMENT		
State of)	
County of) s.s.:)	
known, and known by me to be	, 20, persona the same person described in and wl ecuted the same, of his (her) own free	ally appeared before me <u>Venugopal Gudipati</u> to me no executed the foregoing instrument, and will for the purpose set forth.
Witness #1:		Witness #2:
Eat Brown	<u> </u>	far-
[Witness #1 Signature]		/Witness #2 Signature]
Kafie Brown [Witness #1 Print Name]		Sylvie Asselia Witness #2 Print Name!

RECORDED: 08/27/2018

REEL: 046713 FRAME: 0757