PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JIANMING BAO	10/02/2017

RECEIVING PARTY DATA

Name:	MSD R&D (CHINA) CO. LTD.
Street Address:	19-21F PARK PLACE
Internal Address:	1601 NANJING ROAD
City:	SHANGHAI
State/Country:	CHINA
Postal Code:	200040

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16674546

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.

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Correspondent Name: MERCK SHARP & DOHME CORP.

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ATTORNEY DOCKET NUMBER:	24269-US-CNT
NAME OF SUBMITTER:	TANYA TORRES
SIGNATURE:	/Tanya L. Torres/
DATE SIGNED:	01/12/2021

Total Attachments: 2

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PATENT 506444231 REEL: 054885 FRAME: 0870

Attorney Docket No.: 24269

WORLDWIDE ASSIGNMENT

WHEREAS, IWE,

(1) Jianming Bao, located at Shanghai, China

(hereinafter ASSIGNOR(S)), together with Chunsing Li, located at Shanghai, China, John J. Acton III, located at Cranford, NJ, Melissa Egbertson, located at Ambler, PA, Xiaolei Gao, located at Bridgewater, NJ, Scott T. Harrison, located at Elkins Park, PA, Sandra L. Knowles, located at Princeton, NJ, Michael Man-Chu Lo, located at Bedminster, NJ, Robert D. Mazzola, Jr., located at Stewartsville, NJ, Zhaoyang Meng, located at Ambler, PA, Michael T. Rudd, located at Collegeville, PA, Oleg Selyutin, located at West Windsor, NJ, David M. Tellers, located at Lansdale, PA, Ling Tong, located at Warren, NJ, Jenny Miu-Chun Wai, located at Harleysville, PA; and 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:

3-(1H-PYRAZOL-4-YL) PYRIDINE ALLOSTERIC MODULATORS OF THE M4 MUSCARINIC ACETYLCHOLINE RECEPTOR

and/or in the following application(s):

U.S. Provisional Application No. U.S. Application No. Application No. PCT International Application No. PCT/CN15/098384 having a filing date 12/23/2015; PCT International Application No. PCT/US16/067419 having a filing date 12/19/2016;

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, MSD R&D (China) Co. Ltd.., 19-21F Park Place, 1601 Nanjing Road, Shanghai 200040, CHINA, 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.

REEL: 054885 FRAME: 0871

Executed this <u>62</u> day of <u>0 Ctober</u> , 20 <u>7</u> .	
Jianming Bao	
ACKNOWLEDGEMENT State of Section of Section S	
On this A day of July 20 F, personally appeared before	re me <u>Jianming Bao</u> to me known, and
known by me to be the same person described in and who executed the foregoing in (she) executed the same, of his (her) own free will for the purpose set forth.	nstrument, and acknowledged that he
(Seal) Notary Public	and John John John John John John John John
<i>N</i> O**	NROCEL S. PARAS-SANJURJO FARY PUBLIC OF NEW JERSEY mmission Expires September 14, 2017
Witness 1: Witness 2:	
Signature Signature	
Name Name	

RECORDED: 01/12/2021