PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|--------------|----------------|
| JIANMIN FU | 04/21/2017 |
| GANG JI | 04/21/2017 |
| FALONG JIANG | 03/23/2017 |

RECEIVING PARTY DATA

| Name: | PHARMARON BEIJING CO., LTD. |
|-------------------|-----------------------------|
| Street Address: | 6 TAI-HE RAOD |
| Internal Address: | BDA |
| City: | BEIJING |
| State/Country: | CHINA |
| Postal Code: | 100176 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 16019964 |

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.

Phone: 7325941045

Email: us_efs@merck.com
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Address Line 2: RY86-2011A

Address Line 4: RAHWAY, NEW JERSEY 07065

| ATTORNEY DOCKET NUMBER: | 24262-US-CNT |
|-------------------------|------------------|
| NAME OF SUBMITTER: | KELLY A. PANNO |
| SIGNATURE: | /KELLY A. PANNO/ |
| DATE SIGNED: | 06/27/2018 |

Total Attachments: 6

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PATENT REEL: 046215 FRAME: 0381 source=24262-ASSIGNMENT-PHARMARON-SIGNED#page3.tif source=24262-ASSIGNMENT-PHARMARON-SIGNED#page4.tif source=24262-ASSIGNMENT-PHARMARON-SIGNED#page5.tif source=24262-ASSIGNMENT-PHARMARON-SIGNED#page6.tif

> PATENT REEL: 046215 FRAME: 0382

Worldwide Assignment 全球性转让

Attorney Docket No.: 24262 律师案号: 24262

WORLDWIDE ASSIGNMENT

全球性转让

(3)

| WHEREAS, I/W | E, |
|--------------|----|
|--------------|----|

(1) Jianmin Fu located at Beijing, China (2) Gang Ji Beijing, China located at (3) Falong Jiang

located at

鉴于,我/我们 (1) (2)

位于 位于 位于

(hereinafter ASSIGNOR(S)), together with

| (以下称为让与人), | 与 |
|------------|---|
|------------|---|

| (1) (2) (3) (4) (5) (6) (7) | Raphaelle Berger Yi-Heng Chen Guoqing Li Joie Garfunkle Hong Li Shouwu Miao Subharekha Raghavan | located at | New York, NY Whippany, NJ Belle Mead, NJ Metuchen, NJ Edison, NJ Edison, NJ Teaneck, NJ | (1) (2) (3) (4) (5) (6) (7) | 位于 位于 位于 |
|---|--|--|---|---|----------------|
| (8) | Cameron J. Smith | located at | Montgomery Village, MD | (8) | |
| (9) (10) (11) (12) | John Stelmach Alan Whitehead Rui Zhang Yong Zhang | located at located at located at located at | Westfield, NJ Scotch Plains, NJ Plainsboro, NJ West Windsor, NJ | (9) (10) (11) (12) | |

Beijing, China

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:

为具有上文所标示的律师卷号及 下述发明名称中的专利申请所述发明 的发明人:

SOLUBLE GUANYLATE CYCLASE STIMULATORS

and/or in the following application(s):

PCT International Application No. PCT/CN2015/098251 having a filing date of December 22, 2015

PCT International Application No. PCT/US2016/067654 having a filing date of December 20, 2016

U.S. Application No. 15/384,429 having a filing date of December 20, 2016; and

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, Pharmaron Beijing Co., Ltd., a corporation organized under the laws of China, having an office at 6 Tai-He Road, BDA, Beijing, 100176, 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;

且/或于下述申请:

申请日为 ____ 的PCT国际 申请号___。

申请日为 ____ 的PCT国际 申请号___。

申请号____申请日为____的美国专利申请;以及

鉴于,我/我们约定兹转让的权利和 所有权系无任何权利瑕疵,且我/我们对在此 所转让的该权利和所有权拥有全部权利。

鉴于, 康龙化成(北京)新药技术有限公司, 依照 中国 的法律 建立的公司,

具有位于 的办公地点,

以及其权利继受人, 受让人和法定代表人 以下称为受让人),希望获取在所述申请 中披露的发明的全部权利、权力及利益;

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 aboveidentified 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.

律师案号: 24262

因此, 出于在此确认已经收到的 有效及有价值的对价,我/我们,即让与人, 将我/我们在下述事项中描述的全部权利、 权力及利益在此出售、出让并转移或确认 共让渡及转让予所述受让人: 在世界上 所有国家中对我/我们描述于所述 专利申请中的发明的全部权利、 权力及利益;对任意以受让人、 其指定代理人的名义,以我/我们中部分或全 部的名义在世界上所有国家提交关于前述 发明的专利申请的权利, 以及在前述国家中源自前述专利申请 所有基于《保护工业产权巴黎公约》、 涉及发明、专利、设计和工业模型的 任何其它国际协议的优先权的全部权利、 权力及利益;对源于前述专利申请而 授权的任何及所有专利证书 根据上述发明提交的临时专利申请或 其它申请要求优先权利益的申请的 全部权利、权力及利益; 以及对任何上述 维持及延期的全部权利、权力及利益, 受让人持有并享有所述权利、权利及利益 全部和完全相同。

而且我/我们在此约定并同意我们将在任何时间,依受让人要求,由受让人负担费用,并不再请求附加的补偿或费用,签署并交付任何及所有可能对于完善前述发明、专利申请及专利证书的权利,及其以受让人名义的继续、分案、再审、及其以受让人名义的继续、分案、需文件,但括签署并获取任何及企部用于证明该转让及买卖的进一步的文件,而这些文件对于在任何所涉及的国家的专利局登记该转让及买卖可能是必要或需要的,且我们将会为获取所述文件或协助获取所述文件的需要而进行所有正当的宣誓及声明和进行所有合法的行为。

律师案号: 24262

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

我/我们藉此授予**受让人**及默沙东公司接受 正式通知时在本文件上填写所述专利申请的专利 申请号及申请日的权利。

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.

本文件可以制作任何数目的副本, 所有由此制作的副本均视为原件, 但其全部副本应—起构成仅一个且相同 的文件。

| Worldwide | Assignment |
|-----------|------------|
| | |

全球性转让

| Attorney Docket No.: 24262 | 律师条号: <u>24262</u> |
|--------------------------------------|--------------------|
| INVENTOR 3 | 发明人 3 |
| Executed this 23rd day ofmarch_2017. | 签署于20 年, 月,日。 |
| Signature Falong Jiang | |
| Witness 1 / 目击者1: | |
| Signature Youngs, W. Zhoung | |
| Name ZA | · |
| | |
| Witness 2 / 目击者2: | |
| Signature | <u>.</u> |
| Name Shan Yin | |

律师案号: 24262

| INVENTOR 1 | 发明人 1 |
|---|---|
| Executed this Not day of April., 2017. Signature Jian min Fu | 签署于 20 <u></u> 年, <u></u> 月, <u></u> 日。 |
| Witness 1 / 目击者 1: Signature Zhang Yang Ai Ai Name | |
| Witness 2 / 目击者 2: Signature Name Shan Yin | |

RECORDED: 06/27/2018

律师案号: 24262

| INVENTOR 2 | 发明人 2 | |
|--|-----------|------|
| Executed this 1 to day of 4pml., 2017. | 签署于 20 年, | 月,日。 |
| Signature Gang Ji | | |
| Witness 1 / 目击者 1: Signature Name U V V V V V V V V V V V V | | |
| Witness 2 / 目击者 2: Signature | | |