

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
YAJUN GUO	12/19/2016
HANBIN SHAN	12/19/2016
XUEYAN ZHU	12/19/2016
ZHEDONG YUAN	12/20/2016
XIONG YU	12/19/2016
MENG GUO	12/26/2016
MINGTON HU	12/26/2016
DUZHENG WANG	12/26/2016
RECEIVING PARTY DATA	
Name:	SHANGHAI INSTITUTE OF PHARMACEUTICAL INDUSTRY
Street Address:	NO.1320 WEST BEIJING ROAD, JINGAN DISTRICT
City:	SHANGHAI
State/Country:	CHINA
Postal Code:	200040
Name:	CHINA STATE INSTITUTE OF PHARMACEUTICAL INDUSTRY
Street Address:	4TH FLOOR, BUILDING 1, NO.1111 HALLEY ROAD, PUDONG NEW AREA
City:	SHANGHAI
State/Country:	CHINA
Postal Code:	201203
Name:	CHIA TAI TIANQING PHARMACEUTICAL GROUP CO., LTD.
Street Address:	NO.369 YUZHOU SOUTH RD., HAIZHOU DISTRICT
City:	LIANYUNGANG CITY, JIANGSU PROVINCE
State/Country:	CHINA
Postal Code:	222062
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15323709
CORRESPONDENCE DATA	

Fax Number: (310)943-2736

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: 310.589.8158

Email: officeactions@topemckay.com

Correspondent Name: TOPE-MCKAY & ASSOCIATES

Address Line 1: 30745 PACIFIC COAST HIGHWAY #420

Address Line 4: MALIBU, CALIFORNIA 90265

ATTORNEY DOCKET NUMBER:	SAN001
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NAME OF SUBMITTER:	RACHEL HERRERA
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SIGNATURE:	/Rachel Herrera/
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DATE SIGNED:	01/03/2017
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Total Attachments: 2

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Reference: WCI16CN0645US

TMA Docket: SAN001

Invention Title: METHOD FOR PREPARING DABIGATRAN ETEXILATE INTERMEDIATE, AND INTERMEDIATE COMPOUND

ASSIGNMENT

WHEREAS, **Yajun GUO** of No.1320 West Beijing Road, Jingan District, Shanghai 200040, China;
Hanbin SHAN of No.1320 West Beijing Road, Jingan District, Shanghai 200040, China;
Xueyan ZHU of No.1320 West Beijing Road, Jingan District, Shanghai 200040, China;
Zhedong YUAN of No.1320 West Beijing Road, Jingan District, Shanghai 200040, China;
Xiong YU of No.1320 West Beijing Road, Jingan District, Shanghai 200040, China;
Meng GUO of No.369 Yuzhou South Rd.,Haizhou District, Lianyungang City, Jiangsu 222062, China;
Mington HU of No.369 Yuzhou South Rd.,Haizhou District, Lianyungang City, Jiangsu 222062, China; and
Duzheng WANG of No.369 Yuzhou South Rd.,Haizhou District, Lianyungang City, Jiangsu 222062, China
(hereinafter "Assignors") have invented certain new and useful improvements in **METHOD FOR PREPARING DABIGATRAN ETEXILATE INTERMEDIATE, AND INTERMEDIATE COMPOUND** (hereinafter "Invention") for which a United States national phase patent application is being filed based on PCT Application No. PCT/CN2014/081539.

AND

WHEREAS, **SHANGHAI INSTITUTE OF PHARMACEUTICAL INDUSTRY**, a corporation organized and existing under the laws of China and having a place of business at No. 1320 West Beijing Road, Jingan District, Shanghai 200040, China; **CHINA STATE INSTITUTE OF PHARMACEUTICAL INDUSTRY**, a corporation organized and existing under the laws of China and having a place of business at 4th Floor, Building 1, No.1111 Halley Road, Pudong New Area, Shanghai 201203, China; and **Chia Tai Tianqing Pharmaceutical Group Co., Ltd.**, a corporation organized and existing under the laws of China and having a place of business at No.369 Yuzhou South Rd., Haizhou District, Lianyungang City, Jiangsu Province, 222062 China (hereinafter "Joint Assignees"), are desirous of acquiring the entire right, title, and interest in the Invention within the United States of America and its territorial possessions, and in all foreign countries and jurisdictions in which intellectual or industrial property protection may be granted therefor.

NOW, therefore, for good and valuable consideration, the receipt whereof I hereby acknowledge, I, the Assignor desire to and do hereby assign, sell, and transfer unto Joint Assignees the full and exclusive right to the Invention in the United States of America and its territorial possessions and in all foreign countries and jurisdictions, as well as, the entire right, title and interest in and to any and all intellectual or industrial property rights including, but not limited to, patents, designs, utility models, and inventor certificates which may be granted therefor in the United States of America and its territorial possessions and in all foreign countries and jurisdictions. I hereby authorize and request the U.S. Patent and Trademark Office and the equivalent offices of foreign countries and jurisdictions, to

issue to the Joint Assignees, any and all applicable intellectual or industrial property rights in the Invention, for the Joint Assignees' sole use and benefit, for the full extent of the term for which United States and foreign patents and the like may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

I further covenant and agree with the Joint Assignees that I have full and unencumbered title to the invention hereby assigned, which title I warrant unto the Joint Assignees, and I further agree that I will, without demanding any further consideration therefor, and at the request and at the expense of the Joint Assignees, do all lawful and just acts, including the execution and acknowledgment of instruments, that may be or become necessary for obtaining, sustaining, extending, reissuing, or reexamining United States and foreign patents or the like for the Invention, and for maintaining and perfecting the Joint Assignees' right to the Invention and any and all intellectual or industrial property rights therein, particularly in cases of interference, conflict, opposition, and litigation.

IN TESTIMONY WHEREOF, I have hereunto set my hand.

Executed this

17 day of Dec., 2016

18 day of Dec., 2016

19 day of Dec., 2016

20 day of Dec., 2016

19 day of Dec., 2016

26 day of Dec., 2016

16 day of Dec., 2016

26 day of Dec., 2016

Signature of Inventor(s)

Yajun Guo
Yajun GUO

Hanbin SHAN
Hanbin SHAN

Xueyan zhu
Xueyan ZHU

Zhedong Yuan
Zhedong YUAN

Xiong Yu
Xiong YU

Guo Meng
Meng GUO

Mingtong HU
Mingtong HU

Duzheng WANG
Duzheng WANG