

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	VALENTIN GRIBKOFF	12/13/2016
RECEIVING PARTY DATA		
Name:	KNOPP BIOSCIENCES LLC	
Street Address:	2100 WHARTON STREET	
Internal Address:	SUITE 615	
City:	PITTSBURGH	
State/Country:	PENNSYLVANIA	
Postal Code:	15203	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	14878581
CORRESPONDENCE DATA		
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<i>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.</i>		
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NAME OF SUBMITTER:	N. NICOLE STAKLEFF, REG. NO. 50229	
SIGNATURE:	/N. Nicole Stakleff/	
DATE SIGNED:	02/03/2017	
Total Attachments: 4		
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ASSIGNMENT

WHEREAS, I, VALENTIN GRIBKOFF (hereinafter "Assignor"), am an inventor of a certain new and useful invention(s) as set forth and disclosed in the patent application(s) listed in Schedule A attached hereto (hereinafter the "Invention"):

WHEREAS, KNOPP BIOSCIENCES LLC, having an address of 2100 Wharton Street, Suite 615, Pittsburgh, PA 15203 (hereinafter "Assignee"), is desirous of acquiring Assignor's entire right, title and interest in and to said Invention and in and to any and all Letters Patent of the United States and foreign countries that may be obtained therefor.

NOW, THEREFORE, for good and valuable consideration, the receipt for and sufficiency of which is hereby acknowledged, at least as of August 19, 2008, Assignor does hereby sell, assign, transfer and set over unto Assignee, its legal representatives, successors, and assigns, Assignor's entire right, title and interest in and to said Invention as set forth in the scheduled application(s), including any applications which claim priority to the scheduled application(s), any application(s) to which the scheduled application(s) claim priority, and any continuations, continuations-in-part, divisions, registrations, reissues, re-examinations or extensions thereof, whether in the U.S. or any foreign country, and in and to any and all patents of the United States and foreign countries which may be issued for said Invention;

AND for good and valuable consideration, the receipt for and sufficiency of which is hereby acknowledged, Assignor does hereby sell, assign, transfer and set over unto Assignee, its legal representatives, successors, and assigns all rights to claim priority rights deriving from the Invention and scheduled application(s); all causes of action and remedies related to the Invention and scheduled application(s) (including, without limitation, the right to sue for past, present, or future infringement, misappropriation or violation of rights related to any of the foregoing and the right to collect royalties and other payments under or on account of any of the foregoing); and any and all other rights and interests arising out of, in connection with, or in relation to the Invention and scheduled application(s).

UPON SAID CONSIDERATION, Assignor shall not execute any writing or do any act whatsoever conflicting with the terms and conditions of this Assignment, and that Assignor will, at any time upon request, without further or additional consideration, but at the expense of said Assignee, execute such additional assignments and other writings and do such additional acts as said Assignee may deem necessary or desirable to perfect Assignee's enjoyment of this grant, and render all necessary assistance in making application for or obtaining original patents or applications, continuations, continuations-in-part, divisions, registrations, reissues, re-examinations or extensions thereof, whether in the U.S. or any foreign country, for said Invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, by giving testimony in any and all proceedings or transactions involving such applications or patents, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind and inure to the benefit of the assigns and legal representatives of Assignor and Assignee.

The undersigned hereby grant(s) the firm of PEPPER HAMILTON LLP the power to insert on this Assignment any further identification, including the country, application

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number, filing date and/or title, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office or other patent office for recordation of this document; and

The undersigned requests that any patents that may be issued for said invention be issued to said Assignee, its legal representatives, successors or assigns, as an owner of my entire right, title and interest in and to said patent and the invention covered thereby.

Date: 12-13-16Assignor: Valentin Gribkoff

VALENTIN GRIBKOFF

ACKNOWLEDGMENTSTATE OF MA

)

SS:

COUNTY OF Middlesex

)

On this 13 day of Dec, 2016, before me, a Notary Public, the undersigned officer, personally appeared VALENTIN GRIBKOFF, to me known (or satisfactorily proven) to be the person named in and who executed the above instrument, and acknowledged to me that he executed the same for the uses and purposes therein set forth.

SEAL

Notary Public

My commission expires Nov. 7, 2019

SHAWN S. KARTER
Notary Public
Commonwealth of Massachusetts
My Commission Expires
November 7, 2019

Agreed and accepted:

KNOPP BIOSCIENCES LLC

15-DEC-16 ^{AR}
Date: 12-13-16

Assignee: Michael E. Bobik
By: Michael E. Bobik
Title: CEO

ACKNOWLEDGMENT

STATE OF Pennsylvania)
COUNTY OF Allegheny) SS:

On this 15th day of December, 2016, before me, a Notary Public, the undersigned officer, personally appeared Michael E. Bobik, to me known (or satisfactorily proven) to be the person named in and who executed the above instrument, and acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

SEAL

Notary Public [Signature]

My commission expires 12/17/2017

SCHEDULE A

Country	Patent Application No.	Filing Date	Title
US	61/090,094	August 19, 2008	COMPOSITIONS AND METHODS OF USING (R)-PRAMIPEXOLE
US	61/113,680	November 11, 2008	COMPOSITIONS AND METHODS OF USING (R)-PRAMIPEXOLE
WO	PCT/2009/054292	August 19, 2009	COMPOSITIONS AND METHODS OF USING (R)-PRAMIPEXOLE
US	13/059,713	April 19, 2011	COMPOSITIONS AND METHODS OF USING (R)-PRAMIPEXOLE
US	14/878,581	October 8, 2015	COMPOSITIONS AND METHODS OF USING (R)-PRAMIPEXOLE