

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT3274595

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
DUK SOON CHOI	12/07/2012
LIANSHE SHU	11/17/2012
PING WANG	11/26/2012
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	HOFFMANN-LA ROCHE, INC.
<b>Street Address:</b>	340 KINGSLAND STREET
<b>City:</b>	NUTLEY
<b>State/Country:</b>	NEW JERSEY
<b>Postal Code:</b>	07110
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	14660720
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(617)937-2400
<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>	
<b>Phone:</b>	6179372300
<b>Email:</b>	TKOLLER@COOLEY.COM
<b>Correspondent Name:</b>	COOLEY LLP, ATTN: PATENT GROUP
<b>Address Line 1:</b>	1299 PENNSYLVANIA AVENUE, NW
<b>Address Line 2:</b>	SUITE 700
<b>Address Line 4:</b>	WASHINGTON, D.C. 20004
<b>ATTORNEY DOCKET NUMBER:</b>	MDRI-022C01US 322151-2167
<b>NAME OF SUBMITTER:</b>	LIAN OUYANG
<b>SIGNATURE:</b>	/Lian Ouyang/
<b>DATE SIGNED:</b>	03/20/2015
<b>Total Attachments: 6</b>	
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## ASSIGNMENT

We, **Duk Soon Choi, Lianhe Shu and Ping Wang** the undersigned, for good and valuable consideration, the receipt of which is hereby acknowledged, confirm that we have sold and assigned, and do hereby assign, sell and transfer to **Hoffmann-La Roche, Inc.**, with offices at **340 Kingsland Street, Nutley, New Jersey 07110**, and to its successors, assigns and legal representatives, collectively hereinafter referred to as the ASSIGNEE: (1) our entire right, title and interest for the United States and in all countries, in and to any and all inventions, discoveries and applications which are disclosed in the application for United States Letters Patent entitled:

### METHOD OF SYNTHESIZING THYROID HORMONE ANALOGS AND POLYMORPHS THEREOF

filed with the U.S. Patent and Trademark Office on **September 17, 2012** and assigned Provisional Application No. **61/702,137**, including any subsequently filed utility applications, which claim priority to Provisional Application No. **61/702,137**, and including any renewals, revivals, reissues, reexaminations, extensions, continuations and divisions thereof and any substitute applications therefor; (2) the full and complete right to file patent applications in the name of the ASSIGNEE, its designee, or in my/our names as the ASSIGNEE, or its designee's election, on the aforesaid inventions, discoveries and applications in all countries of the world; (3) the entire right, title and interest in and to any Letters Patent which may issue thereon in the United States or in any country, and any renewals, revivals, reissues, reexaminations and extensions thereof, and any patents of confirmation, registration and importation of the same; and (4) the entire right, title and interest in all Convention and Treaty Rights of all kinds thereon, including without limitation all rights of priority in any country of the world, in and to the above inventions, discoveries and applications.

We hereby authorize and request the competent authorities to grant and to issue any and all such Letters Patent in the United States and throughout the world to the ASSIGNEE of the entire right, title and interest therein, as fully and entirely as the same would have been held and enjoyed by us had this assignment, sale and transfer not been made.


We agree, at any time, upon the request of the ASSIGNEE, to execute and to deliver to the ASSIGNEE any additional applications for patents for said inventions and discoveries, or any part or parts thereof, and any applications for patents of confirmation, registration and importation based on any Letters Patent issuing on said inventions, discoveries, or applications and divisions, continuations, renewals, revivals, reissues, reexaminations and extensions thereof.

First Inventor : D. Keith Hester  
Application No. : 61/702,137  
Filed : September 17, 2012  
Page 2 of 3

We further agree at any time to execute and to deliver upon request of the ASSIGNEE such additional documents, if any, as are necessary or desirable to secure patent protection on said inventions, discoveries and applications throughout all countries of the world, and otherwise to do the necessary to give full effect to and to perfect the rights of the ASSIGNEE under this Assignment, including the execution, delivery and procurement of any and all further documents evidencing this assignment, transfer and sale as may be necessary or desirable.

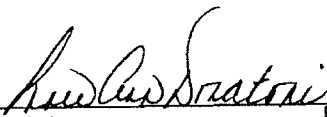
We hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

We further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

Date: 12/17/12   
Signature of: DUK SOON CHOI

State of NEW JERSEY  
County of ESSEX

On this 7 day of DECEMBER, 2012, before me, the undersigned notary public, personally appeared **DUK SOON CHOI**, proved to me through satisfactory evidence of identification, which was a LA ISSUED PICTURE ID, to be the person whose name is signed on this document and who swore or affirmed to me that the contents of this document are truthful and accurate to the best of his/her knowledge and belief.

  
Notary Public **LOU ANN DONATONI**  
Notary Public of New Jersey  
My Commission Expires April 02, 2013  
My commission expires \_\_\_\_\_

First Inventor : D. Keith Hester  
Application No. : 61/702,137  
Filed : September 17, 2012  
Page 3 of 3

Date: \_\_\_\_\_

Signature of: LIANHE SHU

State of \_\_\_\_\_

County of \_\_\_\_\_

On this \_\_\_\_\_ day of \_\_\_\_\_, 2012, before me, the undersigned notary public, personally appeared LIANHE SHU, proved to me through satisfactory evidence of identification, which was a \_\_\_\_\_, to be the person whose name is signed on this document and who swore or affirmed to me that the contents of this document are truthful and accurate to the best of his/her knowledge and belief.

\_\_\_\_\_  
Notary Public

My commission expires \_\_\_\_\_

Date: 11/26/2012

  
Signature of: PING WANG

State of NEW JERSEY

County of ESSEX

On this 26 day of NOVEMBER, 2012, before me, the undersigned notary public, personally appeared PING WANG, proved to me through satisfactory evidence of identification, which was a NJ PICTURE DRIV. LIC. to be the person whose name is signed on this document and who swore or affirmed to me that the contents of this document are truthful and accurate to the best of his/her knowledge and belief.

  
Notary Public

My commission expires \_\_\_\_\_

LOU ANN DONATONI  
Notary Public of New Jersey  
My Commission Expires April 02, 2013

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## ASSIGNMENT

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First Inventor : D. Keith Hester  
Application No. : 61/702,137  
Filed : September 17, 2012  
Page 2 of 3

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We hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

We further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

Date: \_\_\_\_\_

Signature of: **DUK SOON CHOI**

State of \_\_\_\_\_

County of \_\_\_\_\_

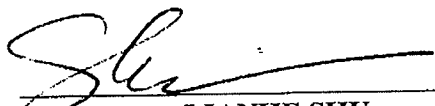
On this \_\_\_\_\_ day of \_\_\_\_\_, 2012, before me, the undersigned notary public, personally appeared **DUK SOON CHOI**, proved to me through satisfactory evidence of identification, which was a \_\_\_\_\_, to be the person whose name is signed on this document and who swore or affirmed to me that the contents of this document are truthful and accurate to the best of his/her knowledge and belief.

\_\_\_\_\_  
Notary Public

My commission expires \_\_\_\_\_

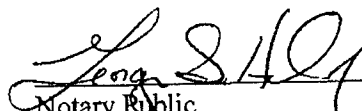
First Inventor : D. Keith Hester  
Application No. : 61/702,137  
Filed : September 17, 2012  
Page 3 of 3

Date: 11-17-2012

  
Signature of: LIANHE SHU

State of New Jersey  
County of Essex

On this 17<sup>th</sup> day of November, 2012, before me, the undersigned notary public, personally appeared LIANHE SHU, proved to me through satisfactory evidence of identification, which was a NS Driver's License, to be the person whose name is signed on this document and who swore or affirmed to me that the contents of this document are truthful and accurate to the best of his/her knowledge and belief.

  
Notary Public

My commission expires March 2015

Date: \_\_\_\_\_

Signature of: PING WANG

State of \_\_\_\_\_

County of \_\_\_\_\_

On this \_\_\_\_\_ day of \_\_\_\_\_, 2012, before me, the undersigned notary public, personally appeared PING WANG, proved to me through satisfactory evidence of identification, which was a \_\_\_\_\_, to be the person whose name is signed on this document and who swore or affirmed to me that the contents of this document are truthful and accurate to the best of his/her knowledge and belief.

\_\_\_\_\_  
Notary Public

My commission expires \_\_\_\_\_

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