

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3867002

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
F. HOFFMANN-LA ROCHE AG	03/02/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	HOFFMANN-LA ROCHE AG
<b>Street Address:</b>	150 CLOVE ROAD, 8TH FLOOR
<b>City:</b>	LITTLE FALLS
<b>State/Country:</b>	NEW JERSEY
<b>Postal Code:</b>	07424
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14958619
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(650)952-9881
<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>	650-866-2007
<b>Email:</b>	pgolden@gene.com
<b>Correspondent Name:</b>	JONATHAN DUFFIELD
<b>Address Line 1:</b>	1 DNA WAY
<b>Address Line 2:</b>	MS-49
<b>Address Line 4:</b>	SOUTH SAN FRANCISCO, CALIFORNIA 94080
<b>ATTORNEY DOCKET NUMBER:</b>	P32470-US
<b>NAME OF SUBMITTER:</b>	JONATHAN DUFFIELD
<b>SIGNATURE:</b>	/Jonathan Duffield/
<b>DATE SIGNED:</b>	05/10/2016
<b>Total Attachments: 4</b>	
source=Assignment 4#page1.tif	
source=Assignment 4#page2.tif	
source=Assignment 4#page3.tif	
source=Assignment 4#page4.tif	

**ASSIGNMENT AGREEMENT**

**F. Hoffmann-La Roche AG** ("ASSIGNOR") a corporation duly organized under the laws of Switzerland and having its principal place of business at Grenzacherstrasse 124, CH-4070 Basel, Switzerland

acknowledges the previous transfer to

**Hoffmann-La Roche Inc.** ("ASSIGNEE") a corporation of the State of New Jersey, United States of America, having its principal place of business at Great Notch, 150 Clove Road, 8<sup>th</sup> Floor, 07424 Little Falls, New Jersey, United States of America

for good and valuable consideration paid to ASSIGNOR by ASSIGNEE, the receipt and sufficiency of which is hereby acknowledged, of all right, title, and interest in, to, and deriving from the invention(s) disclosed in the patent application(s) set forth below for the territory of the United States of America and its possessions by operation of law, contract, or otherwise, and any Letters Patent which may hereafter be granted on the same in the United States including any application claiming priority under 35 U.S.C. §119(e), divisions, renewals, continuations in whole or in part, substitutions, conversions, reissues, reexaminations, prolongations or extensions thereof.

As far as the right, title, and interest of ASSIGNOR in, to, and deriving from the invention(s) disclosed in the patent application(s) set forth below may not have been transferred, for good and valuable consideration paid to ASSIGNOR by ASSIGNEE, the receipt and sufficiency of which is hereby acknowledged, ASSIGNOR hereby assigns, sells and transfers to ASSIGNEE, and to ASSIGNEE'S successors and assigns, for the territory of the United States of America and its possessions all of ASSIGNOR'S right, title and interest in, to, and deriving from the invention(s) described in the patent application(s) listed below, including any divisions, renewals, continuations in whole or in part, substitutions, conversions, reissues, reexaminations, prolongations or extensions thereof, or other U.S. patent applications claiming the benefit of the filing date of the following patent application(s):

Case No.	Country	Filing Date	Serial No.
P32470	WO	8 December 2014	PCT/CN2014/093224

entitled

**NOVEL 3-SUBSTITUTED 5-AMINO-6H-THIAZOLO[4,5-D]PYRIMIDINE-2,7-DIONE  
COMPOUNDS FOR THE TREATMENT AND PROPHYLAXIS OF VIRUS INFECTION**

ASSIGNEE, by virtue of this Assignment, shall have the right to file and own patent applications that claim priority to and are based in whole or in part on the patent application(s) cited above with the United States Patent and Trademark Office and to own Letters Patents that issue thereon. Accordingly, ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any United States Letters Patent which may issue for such patent applications, including any divisions, renewals, continuations in whole or in part, substitutions, conversions, reissues, reexaminations, prolongations or extensions thereof, to ASSIGNEE, its successors and assigns.

ASSIGNOR does hereby covenant and agree with ASSIGNEE, its successors and assigns, that ASSIGNOR will not execute any writing or do any act conflicting with this assignment, and ASSIGNOR further agrees that he will, without charge to said ASSIGNEE, but at ASSIGNEE'S expense, cooperate with ASSIGNEE in the prosecution of said Letters Patent and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts

Case No. P32470

TO BE NOTARIZED

as ASSIGNEE lawfully may request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said ASSIGNEE, or ASSIGNEE'S successors and assigns.

This agreement shall be governed and construed in accordance with substantive laws of Switzerland, with the exclusion of the Vienna Convention on the International Sale of Goods dated April 11, 1980. The competent courts of Basel City, Switzerland shall have exclusive jurisdiction.

**ASSIGNOR**

**F. Hoffmann – La Roche AG**

Basel, March 2, 2015  
Place, Date

Signatures *Antonio Natoli* *Ina Gengelbach*  
Antonio Natoli  
Holder of procuracy Ina Gengelbach  
Mandatory

**ASSIGNEE**

**Hoffmann-La Roche Inc.**

NEWARK, N.J., MARCH 6, 2015  
Place, Date

Signatures *George M. Gould*  
GEORGE M. GOULD  
AUTHORIZED SIGNATORY



## Legalization

The undersigned Notary Public of the Canton of Basel-Stadt (Switzerland), Dr. Christoph Nertz, herewith legalizes the foregoing signature of

**F. Hoffmann-La Roche AG**, a stock company with legal domicile in Basel (Switzerland), rendered by

Mister Antonio Natoli, citizen of and residing in Basel (Switzerland), and

Miss Ina Gengelbach, German citizen, residing in Grenzach-Wyhlen (Germany),

both duly entitled to sign documents wherein property of the company is alienated.

Legalization based on comparison with authentic signatures.

**B a s e l** (Switzerland), this 13<sup>th</sup> (thirteenth) day of March 2015 (two thousand and fifteen).



A handwritten signature in black ink, appearing to read 'Dr. Nertz', written in a cursive style.

BR 402/2015