

## PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT4556240

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ELIEZER FALB	05/08/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	TEVA PHARMACEUTICAL INDUSTRIES, LTD.
<b>Street Address:</b>	BASEL STREET, P.O. BOX 3190
<b>City:</b>	COUNTY OF PETACH-TIKVA
<b>State/Country:</b>	ISRAEL
<b>Postal Code:</b>	49131
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15379553
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(202)344-8300
<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>	202 344 4000
<b>Email:</b>	ipdocketing@venable.com, RGFields@Venable.com, echan@venable.com
<b>Correspondent Name:</b>	ANNETTE K. KWOK
<b>Address Line 1:</b>	VENABLE LLP
<b>Address Line 2:</b>	P.O. BOX 34385
<b>Address Line 4:</b>	WASHINGTON, D.C. 20043-9998
<b>ATTORNEY DOCKET NUMBER:</b>	41890-408858
<b>NAME OF SUBMITTER:</b>	ANNETTE K. KWOK
<b>SIGNATURE:</b>	/ANNETTE K. KWOK/
<b>DATE SIGNED:</b>	08/18/2017
<b>Total Attachments: 3</b>	
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WORLDWIDE ASSIGNMENT  
OF PATENT RIGHTS

WHEREAS, FALB, Eliezer, hereinafter (collectively) referred to as the Assignor, invented a certain improvement relating to PROCESS FOR THE PREPARATION OF 4-AMINO-1-((1S,4R,5S)-2-FLUORO-4,5-DIHYDROXY-3-HYDROXYMETHYL-CYCLOPENT-2-ENYL)-1H-PYRIMIDIN-2-ONE for which Assignor has caused patent applications to be prepared,

- [ ] the inventor's declaration for the application being executed concurrently with the execution of this Assignment; the application to be filed in the U.S. Patent and Trademark Office;
- [X] the application having been filed in the U.S. Patent and Trademark Office on March 15, 2013 and given application number 61/800,475;
- [X] the application having been filed in the U.S. Patent and Trademark Office on March 17, 2014 and given application number 14/216,242;
- [X] the application having been filed under the Patent Cooperation Treaty on March 17, 2014 and given application number PCT/US2014/030635.

WHEREAS, Teva Pharmaceutical Industries, Ltd., having a principal place of business located at Basel Street, P.O. Box 3190, County of Petach-Tikva, Israel 49131, hereinafter referred to as the Assignee, is desirous of acquiring the entire right, title and interest in and to the invention and the patent application;

NOW THIS WITNESSETH, that for and in consideration of One Dollar (\$1.00), and other good and valuable consideration paid by Assignee to Assignor, the receipt and sufficiency of which is hereby acknowledged:

Assignor hereby assigns, sells and transfers, and has assigned, sold, and transferred to Assignee, its successors and assigns, the entire and exclusive right, title, and interest for the United States in and to the invention, the application, any application for which priority is claimed, and all applications claiming priority therefrom, including any and all divisions, continuations, in whole or in part, substitutions, renewals, reissues, reexaminations, and all patents which may be granted therefor, and extensions thereof; and Assignor authorizes and requests the Commissioner of Patents and Trademarks to issue any and all such patents, insofar as Assignor's interest is concerned, to Assignee; to have, hold, exercise, and enjoy, with all associated rights, powers, privileges, and advantages, for and during and to the end of the term or terms of such patents when granted, for the sole and exclusive use and benefit of Assignee, its successors and assigns, to the same extent as Assignor would hold and enjoy if this Assignment had not been made.

Assignor further hereby assigns, sells and transfers, and has assigned, sold, and transferred to Assignee, its successors and assigns, the entire right, title and interest in all countries of the world, in and to the invention, the application, any application for which priority is claimed, and all applications claiming priority therefrom, including all national applications, regional applications, divisions, reissues, substitutions, continuations, in whole or in part, re-examinations, and all patents which may be granted therefor, and extensions thereof, including the right to file applications and obtain patents for the invention in its own name, in all countries and including all rights of priority in all countries under the terms of any applicable international convention, insofar as Assignor's interest is concerned; and Assignor hereby authorizes and requests the applicable patent office in each country of the world to issue any and all such patents, insofar as Assignor's interest is concerned, to Assignee; to have, hold, exercise, and enjoy, with all associated rights, powers, privileges, and advantages, for and during and to the end of the term or terms of such patents when granted, for the sole and exclusive use and benefit of Assignee, its successors and assigns, to the same extent as Assignor would hold and enjoy if this Assignment had not been made.

WORLDWIDE ASSIGNMENT  
OF PATENT RIGHTS

Assignor further acknowledges an obligation of assignment of the invention to Assignee at the time the invention was made, and represents and warrants to Assignee, its successors and assigns, that, except for any right, title, or interest that may have arisen to Assignee under law or that was already transferred to Assignee, Assignor is the sole and lawful owner of the entire right, title and interest in and to the invention and application, without encumbrance, and that Assignor has good and full right and lawful authority to assign the invention and application in the manner set forth here.

Assignor further agrees to execute any and all patent applications, assignments, affidavits, declarations, and any other papers in connection therewith necessary to perfect such patent rights, and also agrees, at the request of the Assignee, its successors, or assigns, without charge, to testify in any legal proceedings, sign all lawful papers, make all lawful oaths, and generally do everything possible to aid Assignee, its successors and assigns, to obtain, maintain, enforce, and defend patent protection for the invention.

Assignor hereby grants the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office, or the patent office of another nation, for recordation of this document:

VENABLE LLP and all practitioners at Customer Number 26694

\* \* \* \* \*

IN WITNESS WHEREOF, each individual collectively referred to as Assignor has caused this Assignment to be executed, effective as of the filing date of the earliest filed application listed above, or the date of invention, whichever came first.

EXECUTED this 8 day of May, 2014.

ASSIGNOR: FALB, Eliezer

Signature: Eliezer Falb

WITNESS:

Signature: [Signature]

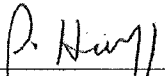
Name: Dr. Ramy Lidor-Hadley

Address: 19 FORT ST. KEFAR SABA

61267 ISRAEL

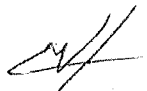
WORLDWIDE ASSIGNMENT  
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Assignee hereby accepts this Assignment:

Signature: 

Name: Sharon F. Hausdorff, Ph.D.  
Title: VP Global Specialty and NTE IP

Date: May 12, 2014

  
Naomi Zingbom, Adv  
IP Director

May 12, 2014