

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
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EPAS ID: PAT5036844

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
TAKEDA CAMBRIDGE LIMITED	06/11/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	TAKEDA CALIFORNIA, INC.
<b>Street Address:</b>	10410 SCIENCE CENTER DRIVE
<b>City:</b>	SAN DIEGO
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	92121
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15558824
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<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>Email:</b>	tsd.docket@takedasd.com
<b>Correspondent Name:</b>	TAKEDA CALIFORNIA, INC.
<b>Address Line 1:</b>	10410 SCIENCE CENTER DRIVE
<b>Address Line 4:</b>	SAN DIEGO, CALIFORNIA 92121
<b>ATTORNEY DOCKET NUMBER:</b>	P20232US01 PHD1-5003-WOUS
<b>NAME OF SUBMITTER:</b>	MATTHEW J RUSSO
<b>SIGNATURE:</b>	/Matthew J Russo/
<b>DATE SIGNED:</b>	07/03/2018
<b>Total Attachments: 2</b>	
source=2018-06-11 P20232US01 PHD1-5003-WOUS Assignment (TCB - TCAL)#page1.tif	
source=2018-06-11 P20232US01 PHD1-5003-WOUS Assignment (TCB - TCAL)#page2.tif	

## ASSIGNMENT

WHEREAS, **Takeda Cambridge Limited**, hereinafter referred to as Assignor, owns rights in a certain invention entitled:

### NOVEL COMPOUNDS

for which invention an application (provisional or non-provisional) for a U.S. patent was filed on September 15, 2017, under U.S. Application No. 15/558,824, and

WHEREAS, **Takeda Pharmaceutical Company Limited**, 1-1, Doshomachi 4-chome, Chuo-ku, Osaka 541-0045 Japan, hereinafter referred to as Assignee, is desirous of acquiring the entire right, title, and interest in, to, and under the invention described in the patent application, including the entire priority right derived from the application,

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged,

Assignor(s) assign and transfer to Assignee and Assignee's legal representatives, successors, and assigns the entire right, title, and interest in, to, and under the invention, the referenced patent application, and other such applications (e.g., provisional applications, non-provisional applications, continuations, continuations-in-part, divisionals, reissues, reexaminations, national and regional phase applications, petty patent applications, and utility model applications) that may be filed in the U.S. and/or any country foreign to the U.S. on the invention, and the patents that may issue thereon,

Assignor(s) convey to the Assignee the right to make applications in Assignee's own behalf for protection of the invention in the U.S. and countries foreign to the U.S. and to claim priority to the referenced patent application and other such applications that may be filed in the U.S. or any country foreign to the U.S. on the invention under the Patent Cooperation Treaty, the Paris Convention, and any other international arrangements,

Assignor(s) will not execute any writing or do any act conflicting with the terms of this assignment,

Assignor(s) will at any time upon request, without further or additional consideration, but at the expense of the Assignee, execute such additional assignments and other writings and do such additional acts as the Assignee may deem necessary or desirable to pursue the patent applications identified herein, including, but not limited to, rendering all necessary assistance in making applications for and obtaining patents that may issue thereon in the U.S. and any countries foreign to the U.S. on the invention, and in enforcing any rights accruing as a result of such applications or patents, by, for example, executing statements and other affidavits,

Assignor(s) and Assignee agree the terms of this assignment shall bind, and inure to the benefit of, the legal representatives, successors, and assigns of all parties hereto,

Assignor(s) authorize Assignee to insert in this assignment the number and filing date of the application if the number and filing date of the application are not recited herein at the time of execution of this assignment by any or all of the parties hereto,

Assignor(s) and Assignee agree that U.S. law governs this assignment, and

Assignee acknowledges and accepts this assignment, as evidenced by the signature of an officer or authorized representative of Assignee below.

IN WITNESS WHEREOF, Assignor has hereunder set his/her hand on the date shown below.

Date: <u>11-JUN-2018</u>	Signature: <u>[Signature]</u> Name: David Isaacs Title: Senior Director - Finance Takeda Development Centre Ltd.
Date: <u>11 June 2018</u>	Witness 1 Signature: <u>[Signature]</u> Name (printed): <u>Bryan Driscoll</u> Address: <u>11 STAMFORD DRIVE</u> <u>THUNDERBOLT TOWNSHIP</u>
Date: <u>11-06-18</u>	Witness 2 Signature: <u>[Signature]</u> Name (printed): <u>RAJAN PERINPANDYAN</u> Address: <u>212 S. Main Street</u> <u>THUNDERBOLT TOWNSHIP</u>

Assignee acknowledges and accepts this assignment, as evidenced by the signature of an officer or authorized representative of Assignee below.

Date: _____	Signature: _____ Assignee: <b>Hiroya Okumura</b> Title: <b>Global Head of I.P.</b>
Date: _____	Witness 1 Signature: _____ Name (printed): _____ Address: _____
Date: _____	Witness 2 Signature: _____ Name (printed): _____ Address: _____