

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT		
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT		
<b>CONVEYING PARTY DATA</b>			
<b>Name</b>			<b>Execution Date</b>
VERTEX PHARMACETICALS (EUROPE) LIMITED			07/11/2018
<b>RECEIVING PARTY DATA</b>			
<b>Name:</b>	VERTEX PHARMACEUTICALS INCORPORATED		
<b>Street Address:</b>	50 NORTHERN AVENUE		
<b>City:</b>	BOSTON		
<b>State/Country:</b>	MASSACHUSETTS		
<b>Postal Code:</b>	02210		
<b>PROPERTY NUMBERS Total: 2</b>			
<b>Property Type</b>	<b>Number</b>		
<b>Application Number:</b>	16032799		
<b>PCT Number:</b>	US2018041649		
<b>CORRESPONDENCE DATA</b>			
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<b>ATTORNEY DOCKET NUMBER:</b>	67573.303693/30399		
<b>NAME OF SUBMITTER:</b>	SHELLY KEAN		
<b>SIGNATURE:</b>	/Shelly Kean/		
<b>DATE SIGNED:</b>	02/11/2020		
<b>Total Attachments: 4</b>			
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**ASSIGNMENT**

WHEREAS, Vertex Pharmaceuticals (San Diego) LLC, a company organized and existing under the laws of the State of Delaware and having an office and a place of business at 11010 Torreyana Road, San Diego, CA 92121, the "Assignor", has acquired by assignment an invention entitled CARBOXAMIDES AS MODULATORS OF SODIUM CHANNELS, for a full description of which reference is here made to U.S. Provisional Application No. 62/531,313, filed July 11, 2017; U.S. Provisional Application No. 62/608,283, filed December 20, 2017; U.S. Patent Application No. 16/032,799, filed July 11, 2018; International Patent Application No. PCT/US2018/041649, filed July 11, 2018; Taiwanese Patent Application No. 107123989, filed July 11, 2018; Argentinian Patent Application No. 20180101925, filed July 11, 2018; Venezuelan Patent Application No. \_\_\_\_\_, filed July 11, 2018; and Uruguayan Patent Application No. 37806, filed July 11, 2018 (Note: I/We, the undersigned, hereby authorize the Assignee and/or its patent attorney(s) to fill in the application numbers of the foregoing patent applications when such application numbers become known to Assignee.);

WHEREAS, Vertex Pharmaceuticals Incorporated, a corporation organized and existing under the laws of the Commonwealth of Massachusetts, having a place of business at 50 Northern Avenue, Boston, Massachusetts 02210, the "Assignee", desires to acquire the entire right, title and interest in the invention and the patent applications identified above, and all patents which may be obtained for the invention, as set forth below;

NOW, THEREFORE, in consideration of valuable and legally sufficient consideration, the receipt of which by the Assignor from the Assignee is acknowledged, the Assignor has sold, assigned and transferred, and by these presents hereby sells, assigns and transfers to the Assignee, the entire right, title and interest for the United States in the invention and the patent applications identified above, and any patents that may issue for the invention in the United States; with the entire right, title and interest in

the invention and all patent applications and patents issuing therefrom in all countries foreign to the United States, including the full right to claim for any such application all benefits and priority rights under any applicable convention; with the entire right, title and interest in all continuations, divisions, reissues, reexaminations, renewals and extensions of any of the patent applications and patents defined above; with the right to recover all damages, including, but not limited to, a reasonable royalty, by reason of past, present, or future infringement or any other violation of patent or patent application rights; to have hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for all such patents.

The Assignor covenants and agrees, for both the Assignor and the Assignor's legal representatives, that the Assignor will assist the Assignee in the prosecution of the patent applications identified above; in the making and prosecution of any other patent applications that the Assignee may elect to make covering the invention identified above; in vesting in the Assignee exclusive title in all such other patent applications and patents; and that the Assignor will execute and deliver to the Assignee all additional papers which may be requested by the Assignee to carry out the terms of this Assignment.

The Commissioner of Patents and Trademarks is authorized and requested to issue patents to the Assignee under the terms of this Assignment.

IN TESTIMONY WHEREOF, the Assignors have executed this agreement.

DATED:

July 11, 2018

Kerry A. Flynn

Kerry A. Flynn  
Vice President and Chief IP Counsel  
on behalf of Vertex Pharmaceuticals  
(San Diego) LLC

STATE OF MA

)

) ss.

COUNTY OF Suffolk

)

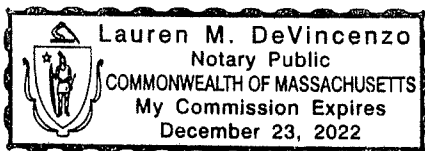
I, Lauren M. DeVincenzo, a Notary Public in and for the  
County and State aforesaid, do hereby certify that Kerry A. Flynn, proved to me through  
satisfactory evidence of identification which was/were: ☒ personal knowledge of  
identity, ☐ a driver's license, ☐ other (please identify) \_\_\_\_\_, to be the  
person whose name is signed on this document, appeared before me this day in person  
and acknowledged that (s)he signed, sealed and delivered the said instrument as  
his/her free and voluntary act for the uses and purposes therein set forth.

IN WITNESS WHEREOF, I have hereunto set my hand and Notarial Seal, this  
11th day of July, 2018.

Lauren M. DeVincenzo

Notary Public

My Commission Expires: Dec 23, 2022



ACKNOWLEDGMENT OF ASSIGNEE

By: Kerry A. Flynn  
Kerry A. Flynn  
Vice President and Chief IP Counsel  
VERTEX PHARMACEUTICALS INCORPORATED

Date: July 11, 2018

Commonwealth of Massachusetts  
County of Suffolk

On this 11th day of July, 2018, before me, the undersigned notary public, personally appeared Kerry A. Flynn, proved to me through satisfactory evidence of identification which was/were: ☒ personal knowledge of identity, ☐ a driver's license, ☐ other (please identify) \_\_\_\_\_, to be the person whose name is signed on this document, and who swore or affirmed to me that the contents of the document are truthful and accurate to the best of his/her knowledge and belief.

Lauren M. DeVincenzo

Notary Public

My Commission Expires: Dec. 23, 2022

