

<b>PATENT ASSIGNMENT COVER SHEET</b>
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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>
WILLIAM FORBES	04/28/2011
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<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16414018
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<b>SIGNATURE:</b>	/Michael J. DeGrazia, Ph.D./
<b>DATE SIGNED:</b>	01/27/2020
<b>Total Attachments: 2</b>	
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source=Parent Assignment (Forbes to Ltd#page2.tif)	

## ASSIGNMENT

I, William Forbes of Raleigh, North Carolina, in consideration of One Dollar and other valuable consideration paid to us by

Salix Pharmaceuticals, Ltd.

a Corporation of Delaware, having their principal places of business at 1700 Perimeter Park Drive, Morrisville, North Carolina 27560, the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said

Salix Pharmaceuticals, Ltd.

their successors and assigns, the entire interest for the United States of America and all foreign countries including all rights of priority under the International Convention for the Protection of Industrial Property in a certain invention or improvement in

### METHODS OF TREATING HEPATIC ENCEPHALOPATHY

described in the following applications:

- United States Application No. 13/077,373, filed on March 31, 2011  
International Patent Application No. PCT/US2009/059321, filed on October 2, 2009

These application claims the benefit of the following applications:

- United States Provisional Application No. 61/102,349, filed on October 2, 2008

in the United States Patent and Trademark Office, and in all Letters Patent of the United States and all foreign countries which may or shall be granted on said invention, or any parts thereof, or on said application, or any divisional, continuing, reissue or other applications based in whole or in part thereon. And we agree, for ourselves and our executors and administrators, with said Corporation and , respectively and their successors and assigns but at their or their expense and charges, hereafter to execute all applications, amended specifications, deed or other instrument, and to do all acts necessary or proper to secure the grant of Letters Patent in the United States and in all other countries to said corporation, with specifications and claims in such form as shall be approved by the counsel of said Corporation and , respectively and to vest and confirm in said corporation, its successors and assigns, the legal title to all such patents.

And we do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said corporation, its successors and assigns.

And we do further hereby grant the attorneys/agents of McCarter & English LLP, the power to insert on this Assignment the filing date and/or application number of said application.

*William Forbes*

William Forbes

Date: April 28th 2011

United States of America )  
State of North Carolina )  
County of Wake )

On this 28th day of April, 2011 before me, the  
the undersigned notary public, personally appeared William Forbes  
(name of document signer), proved to me through satisfactory evidence of identification,  
which was personally known, to be the person whose name  
is signed on the preceding or attached document in my presence.

*Julane C Hill*

(Official signature and seal of notary)

My commission expires 12/30/13

