

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT						
NATURE OF CONVEYANCE:	ASSIGNMENT						
CONVEYING PARTY DATA							
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Syunji Horie</td> <td>07/09/2012</td> </tr> <tr> <td>Kenjiro Matsumoto</td> <td>07/09/2012</td> </tr> </tbody> </table>		Name	Execution Date	Syunji Horie	07/09/2012	Kenjiro Matsumoto	07/09/2012
Name	Execution Date						
Syunji Horie	07/09/2012						
Kenjiro Matsumoto	07/09/2012						
RECEIVING PARTY DATA							
Name:	Josai University Corporation						
Street Address:	3-26, Kioi-cho, Chiyoda-ku						
City:	Tokyo						
State/Country:	JAPAN						
Postal Code:	104-0092						
PROPERTY NUMBERS Total: 1							
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12266579</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12266579		
Property Type	Number						
Application Number:	12266579						
CORRESPONDENCE DATA							
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ATTORNEY DOCKET NUMBER:	3190-116-01						
NAME OF SUBMITTER:	Luke A. Kilyk						
Total Attachments: 2 source=Assignment-Josai_3190-116-01#page1.tif source=Assignment-Josai_3190-116-01#page2.tif							

CH \$40.00 12266579

SOLE/JOINT INVENTION

**ASSIGNMENT**

(Worldwide Rights)

WHEREAS We, the below named inventors. [hereinafter referred to as Assignors], have made an invention entitled:

**INDOLE ALKALOID DERIVATIVES HAVING OPIOID RECEPTOR AGONISTIC EFFECT, AND THERAPEUTIC COMPOSITIONS AND METHODS RELATING TO SAME**

for which We filed an application for United States Letters patent on November 07, 2008, as Serial No. 12/266,579 and

WHEREAS, JOSAI UNIVERSITY CORPORATION, a University corporation of Japan, whose post office address is 3-26, Kioi-cho, Chiyoda-ku, Tokyo 104-0092 Japan (hereby referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that for and in consideration of the sum of One Dollar (\$1.00) in hand paid and other good and valuable consideration the receipt of which from assignee is hereby acknowledged, We, as assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, my/our entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of such application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and We hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, WE HEREBY covenant that We have the full right to convey the interest assigned by this Assignment, and We have not executed and will not execute any agreement in conflict with this Assignment;

AND, WE HEREBY further covenant and agree that WE will, without further consideration, communicate with assignee, its successors and assigns, any facts known to me/us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

IN TESTIMONY WHEREOF, We have hereunto set our hands.

County of \_\_\_\_\_ )

\_\_\_\_\_ )

State of \_\_\_\_\_ )

ss.

Subscribed and sworn to before me this \_\_\_\_\_ day

of \_\_\_\_\_, 2012.

\_\_\_\_\_ Notary Public

SEAL

FULL NAME OF FOURTH INVENTOR: Syunji HORIE	
Address: c/o Faculty of Pharmaceutical Sciences, Josai International University, 1, Gumyo, Togane-shi, Chiba 283-8555 Japan	
Signature:	<i>Syunji Horie</i>
Date:	<i>July 09 2012</i>
FULL NAME OF THIRD INVENTOR: Kenjiro MATSUMOTO	
Address: c/o Faculty of Pharmaceutical Sciences, Josai International University, 1, Gumyo, Togane-shi, Chiba 283-8555 Japan	
Signature:	<i>Kenjiro Matsumoto</i>
Date:	<i>07 / 09 / 2012</i>