

**PATENT ASSIGNMENT**

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Christian Hubschwerlen	11/16/2009
Georg Rueedi	11/16/2009
Jean-Philippe Surivet	11/16/2009
Cornelia Zumbrunn-Acklin	11/16/2009
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	Actelion Pharmaceuticals, Ltd
<b>Street Address:</b>	Gewerbestrasse 16
<b>City:</b>	Allschwil
<b>State/Country:</b>	SWITZERLAND
<b>Postal Code:</b>	4123
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	12664828
<b>CORRESPONDENCE DATA</b>	
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<b>ATTORNEY DOCKET NUMBER:</b>	66535.000025
<b>NAME OF SUBMITTER:</b>	Jeff B. Vockrodt
Total Attachments: 2	

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**PATENT  
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## ASSIGNMENT

WHEREAS, we, Christian HUBSCHWERLEN, 15, rue de la Gendarmerie, 68480 Durmenach, France; Georg RUEEDI, Wirtsgartenweg 44, CH-4123 Allschwil, Switzerland; Jean-Philippe SURIVET, 3, impasse des Rossignols, 68680 Kembs, France; Cornelia ZUMBRUNN-ACKLIN, Alemannengasse 57, 4058 Basel, Switzerland, invented certain new and useful improvements in and to the subject matter of:

### 3-AMINO-6-(1-AMINO-ETHYL)-TETRAHYDROPYRAN DERIVATIVES

described in an application for United States Letters Patent filed on December 15, 2009 and accorded Application No. 12/664,828, which is a National Stage application of PCT/IB2008/052333 filed on 13 June 2008;

AND, WHEREAS, Actelion Pharmaceuticals Ltd, a corporation organized under the laws of the State of Switzerland, having a place of business located at Gewerbstrasse 16, 4123 Allschwil (hereinafter "ASSIGNEE"), is desirous of acquiring certain rights to the improvements and under the application;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration, receipt of which is hereby acknowledged, we do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, our entire right, title and interest in and throughout the United States of America (including its territories and dependencies) and all countries foreign thereto in and to said improvements, said United States application, any other United States applications, including priority, provisional, divisional, renewal, substitute, continuation, reexamination and reissue applications, based in whole or in part on said United States application or in whole or in part on said improvements, any foreign applications, including priority, international, and regional applications, based in whole or in part on any of the aforesaid United States applications or in whole or in part on said improvements, and in and to any and all letters patent, including extensions thereof, of any country which have been or may be granted on any of the aforesaid applications or on said improvements or any parts thereof;

AND we hereby authorize and request our agents, Hunton & Williams LLP, 1900 K Street, N.W., Suite 1200, Washington, DC 20006-1109, to insert hereon any identification necessary or desirable for recordation of this document, including the filing date and application number of said application when known.

AND we hereby agree for ourselves and our heirs, executors and administrators to execute without further consideration any further documents and instruments which may be necessary, lawful and proper in the prosecution of said above-referenced application or in the preparation or prosecution of any continuing, substitute, divisional, renewal, reexamination or reissue application or in any amendments, extensions or interference proceedings, or other

HUNTON & WILLIAMS LLP  
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applications for patents of any region or country, that may be necessary to secure to ASSIGNEE its interest and title in and to said improvements or any parts thereof, and in and to said several patents or any of them;

AND we hereby covenant for ourselves and our legal representatives, and agree with said ASSIGNEE, its successors and assigns, that we have granted no right or license to make, use, sell or offer to sell said improvements, to anyone except said ASSIGNEE, that prior to the execution of this deed, our right, title and interest in said improvements had not been otherwise encumbered, and that we have not and will not execute any instrument in conflict therewith;

AND we do hereby authorize and request the Director of the United States Patent and Trademark Office to issue any and all letters patent which may be granted upon said United States applications, or upon said improvements or any parts thereof when granted, to said ASSIGNEE.

IN WITNESS WHEREOF, we have hereunto set our hand and seal.

16 November 2009  
Date

Christian Hubschwerlen  
Christian HUBSCHWERLEN

16 November 2009  
Date

Georg Rueedi  
Georg RUEEDI

16 November 2009  
Date

Jean-Philippe Suviet  
Jean-Philippe SURIYET

16 November 2009  
Date

Cornelia Zumburr Acklin  
Cornelia ZUMBRUNN-ACKLIN

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