

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Roche Colorado Corporation	05/13/2011
RECEIVING PARTY DATA	
Name:	Roche Palo Alto LLC
Street Address:	1 DNA Way
Internal Address:	Legal Department, MS #49
City:	South San Francisco
State/Country:	CALIFORNIA
Postal Code:	94080-4990
PROPERTY NUMBERS Total: 4	
Property Type	Number
Patent Number:	6545165
Patent Number:	6743927
Patent Number:	6858749
Patent Number:	6818789
CORRESPONDENCE DATA	
Fax Number:	(650)952-9881
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	(650) 225-8018
Email:	buckwalter.brian@gene.com
Correspondent Name:	Brian L. Buckwalter
Address Line 1:	1 DNA Way
Address Line 2:	Legal Department, MS #49
Address Line 4:	South San Francisco, CALIFORNIA 94080-4990
NAME OF SUBMITTER:	Brian L. Buckwalter
Total Attachments: 2 source=20644_Assignment4#page1.tif source=20644_Assignment4#page2.tif	

CH \$160.00 6545165

ASSIGNMENT

ROCHE COLORADO CORPORATION (Assignor), a corporation of the State of Delaware, United States of America, having its principal place of business at Boulder, Colorado, United States of America, hereby assigns to

ROCHE PALO ALTO LLC (Assignee)
3431 Hillview Avenue, Palo Alto, California 94304

all of its right, title and interest within the United States of America and its territories and possessions, in and to the invention described and claimed in U.S. Patent Nos. 6,545,165, 6,743,927, 6,858,749, and 6,818,789, issued April 8, 2003, June 1, 2004, February 22, 2005, and November 16, 2004, respectively, entitled

SYNTHESIS OF 3,6-DIALKYL-5,6-DIHYDRO-4-HYDROXY-PYRAN-2-ONE

by Michael P. Fleming (Longmont, CO); Yeun-Kwei Han (Louisville, CO); Lewis M. Hodges (Longmont, CO); David A. Johnston (Louisville, CO); Roger P. Micheli (Louisville, CO); Kurt Puentener (Basel, Switzerland); Chris R. Roberts (Berthoud, CO); Michelangelo Scalone (Birsfelden, Switzerland); Mark A. Schwindt (Boulder, CO); and Robert J. Topping (Longmont, CO) (Inventors)

as well as in any subsequent application(s) in the United States of America and its territories and possessions, which subsequent application(s) claim application U. S. Serial No. 60/180,560 as priority. In respect of the invention and all such patent applications, within the United States of America and its territories and possessions, in favor of Assignor was executed on December 15, 2000, December 20, 2000, and January 8, 2001, by Inventors.

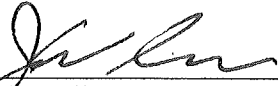
The present assignment is limited to United States of America and its territories and possessions and is for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged.

Assignor expressly assigns to Assignee the right to file corresponding patent applications in United States of America and its territories and possessions, and to claim the priority date under any international treaty or convention of any of the above U.S. patent application(s) assigned by Assignor in this present Assignment. Assignor agrees to execute any additional assignments and writings as well as to perform any additional acts necessary to enable Assignee to enjoy the full rights of the present Assignment.

Boulder, Colorado, U.S.A.

ROCHE COLORADO CORPORATION

Date: 5/13/11

By: 
James M. Wilson
Vice President and Chief Legal Counsel

Assignment II cont'd

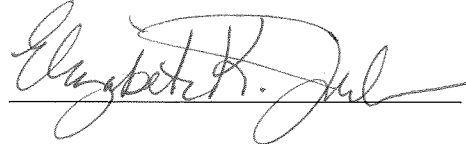
ACKNOWLEDGEMENT

United States of America)
State of Colorado) ss.
County of Boulder)

On May 13, 2011 before me, Elizabeth K. Jordan, Notary Public, personally appeared James M. Wilson, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of Colorado that the foregoing paragraph is true and correct.

WITNESS my hand and official seal

A handwritten signature in cursive script, appearing to read "Elizabeth K. Jordan", is written over a horizontal line.