

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT						
NATURE OF CONVEYANCE:	ASSIGNMENT						
CONVEYING PARTY DATA							
<table border="1" style="width: 100%; border-collapse: collapse;"><thead><tr><th style="width: 70%;">Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Bradford H. Hirth</td><td>10/04/2002</td></tr><tr><td>Craig Siegel</td><td>10/04/2002</td></tr></tbody></table>		Name	Execution Date	Bradford H. Hirth	10/04/2002	Craig Siegel	10/04/2002
Name	Execution Date						
Bradford H. Hirth	10/04/2002						
Craig Siegel	10/04/2002						
RECEIVING PARTY DATA							
Name:	Genzyme Corporation						
Street Address:	One Kendall Square						
City:	Cambridge						
State/Country:	MASSACHUSETTS						
Postal Code:	02139						
PROPERTY NUMBERS Total: 1							
<table border="1" style="width: 100%; border-collapse: collapse;"><thead><tr><th style="width: 30%;">Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>12830962</td></tr></tbody></table>		Property Type	Number	Application Number:	12830962		
Property Type	Number						
Application Number:	12830962						
CORRESPONDENCE DATA							
Fax Number:	(617)607-9200						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
Phone:	617-449-6500						
Email:	pgassett@mccarter.com						
Correspondent Name:	Steven G. Davis, Ph.D.						
Address Line 1:	265 Franklin Street						
Address Line 2:	McCarter & English, LLP						
Address Line 4:	Boston, MASSACHUSETTS 02110						
ATTORNEY DOCKET NUMBER:	120562-00407						
NAME OF SUBMITTER:	Steven G. Davis, Ph.D.						
Total Attachments: 3 source=Assignment_12_830962#page1.tif source=Assignment_12_830962#page2.tif source=Assignment_12_830962#page3.tif							

CH \$40.00 12830962

Joint

ASSIGNMENT

WHEREAS, we, **Bradford H. Hirth and Craig Siegel**, have invented a certain improvement in **Synthesis of UDP-Glucose: N-Acylsphingosine Glucosyltransferase Inhibitors** described in an application for Letters Patent of the United States, the specification of which:

- is being executed on even date herewith and is about to be filed in the United States Patent Office;
- was filed on **July 16, 2002** as Application No. **10/197,227**;
- was patented under U.S. Patent No. [] on [].

WHEREAS, **Genzyme Corporation** (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the **Commonwealth of Massachusetts**, and having a usual place of business at **One Kendall Square, Cambridge, Massachusetts 02139**, desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue thereon; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

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

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below.

Inventor's Signature: *Bradford H. Hirth*
Bradford H. Hirth

Commonwealth
of Massachusetts
County of Middlesex

Then personally appeared before me the above-named **Bradford H. Hirth** and acknowledged that he executed the foregoing instrument as his free act and deed this 4th day of October, 2002.

(SEAL)

Carol S. Celata Notary Public
CAROL S. CELATA (print name)
My Commission expires 4 / 5 / 2007

Inventor's Signature: Craig Siegel
Craig Siegel

Commonwealth
of Massachusetts
County of Windsor

Then personally appeared before me the above-named **Craig Siegel** and acknowledged that he
executed the foregoing instrument as his free act and deed this 4th day of
October, 2002.

(SEAL) Carol S. Celata Notary Public
CAROL S. CELATA (print name)
My Commission expires 4 / 5 / 2007

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