Feb-17-05 11:49am From-HBS&R	1978-341-0136	T-147 P.02/06 F-395
	FORM COVER SHEET ENTS ONLY	Docket No.: 3646.1000-020
To the Director of the U.S. Patent and Trademark Office	Please record the attached documents or t	he new address(es) below
l Name of conveying party(ies)/Execution Date(s).	2. Name and address of receiving part	y(ies)
1) DAVID J. HARRIS 2) CRAIG SIEGEL 3) CAROL A. NELSON 4) DIANE P. COPELAND 1) 11/16/04 2) 11/18/04 3) 11/19/04 Execution Date: 4) 11/22/04	Name. GENZYME CORPORATION Internal Address.	
Additional name(s) of convoying party(ies) attached? [] Yes [X] No	Street Address: 500 KENDALL ST	REET
3. Nature of conveyance.		
[X] Assignment [] Merger	City: CAMBRIDGE	
[] Security Agreement [] Change of Name	State. MA	
[] Other	Country USA	Zip <u>02142</u>
	Additional name(s) & address(es) anached?	[] Yes [X] No
4 Application number(s) or patent number(s). A. Patent Application No.(s). 10/839,497	[] This document is being file B. Patent No.(s)	d together with a new application.
Additional number	rs attached? [] Yes [X] No	
Name and address of party to whom correspondence concerning document should be mailed.	6. Total number of applications and pate	ents involved [1]
Name STEVEN G. DAVIS, ESQ.	7. Total Fee (37 C.F.R. 3.41)	\$ 40.00
Internal Address:	[] Enctosed	
Hamilton, Brook, Smith & Reynolds, P.C.	[X] Authorization to charge deposit	account number 08-0380
Street Address 530 Virginia Road, P.O. Box 9133	[] Previously submitted - Doc. ID 1	No. []
City. Concord State: MA 21P: 01742-9133	[X] Authorized to charge any deficie deposit account number 08-0380	ncies or credit any overpayment to
Phone No. 978-341-0036 Fax No. 978-341-0136	Do not attach a copy of this page if paying via facsimile.	by deposit account and filing
Email Address: Steven Davis @hbsr.com	Aπach a copy of this page if paying by dep	posit account and filing via mail.
8. STEVEN G. DAVIS Name of Person Signing	10c Signature	February 17, 2005

Total number of pages including cover sheet, attachments, and document.

PATENT REEL: 015731 FRAME: 0588

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-05 11:50am From-HBS&R 1978-341-0136 T-147 P.03/06 F-395

Docket No 3646.1000-020

Multi-Joint

<u>ASSIGN</u>MENT

WHEREAS, we, David J. Harris, Craig Siegel, Carol A. Nelson and Diane P. Copeland, together with co-inventor James A. Shayman, have invented a certain improvement in Amino Ceramide-Like Compounds and Therapeutic Methods of Use described in an application for Patent,

[]	the specification of which is about to be filed in the United States Patent Office (use for utility (37 CFR § 1.53(b)) and design filings only);
[]	is about to be filed in the United States Patent Office as a Provisional Application
[X]	the specification of which is United States Application No. 10/839,497, filed May 5, 2004;
[]	the specification of which is a Patent Cooperation Treaty Application, international Application No. [], filed [], which designates the United States of America [and assigned United States Application No. []];
[]	which was patented under United States Patent No. 1 1.

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 500 Kendall Street, Cambridge, Massachusetts 02142 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, our 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 our entire right, title and interest in and to said application and such Letters Patent as may issue on said invention; 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 our 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;

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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 any further applications including 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 each Patent Office and the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said invention 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 David J. Harris State/Commonwealth of Massekes et le County of Meddles of On this day of Massekes 20 of, before me, the undersign notary public, personally appeared/David J. Harris, personally known to me, or	ventor's :	 Stanou ra:		Λ	//、		
On this		_ 	<u>سەھ سستارلىي</u>	most 1	/2 Www.	(
On this day of for the undersign notary public, personally appeared/David J. Harris, personally known to me, or	ate/Com	monwealth		Ti	avid J. Ha	rris	
On this day of	1	muche	exette)				
personally known to me, or	ounty of	Med	dles				
personally known to me, or		th da	ay of <u>face</u> appeared David	nlee	_, 20 <i>_04</i>	, before me, the	undersigne
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proved to the infolign satisfactory evidence of identification, which was	prov	ed to me throu	igh satisfactory (evidence of a	dentificatio	n, which was	
	c-owieuta	ed that he/she	signed the foreg	going instrum	ient as his/l	er free act and o	leed.
he rowledged that he/she signed the foregoing instrument as his/her free act and deed.	*- Nota	Ify Public	Jaipe	2 D.X	ange N	otary Public	
SEAL FOYCE D. LANGE NOTATE Public ACCEPTAGE NOTATE Public	ommonwealt y Commusion	of Massachusetts Expires Jul 19, 2007	Joyce	D. Lan	9e (p	rint name)	
SEAL FORCE D. LANGE			<u> </u>				
to !		person prove	personally known proved to me through the person whose narrowledged that he/she SAL NOTCE D. LANGE NOTATY Public OMETION WORLD TO SERVE THE PERSON WORLD TO SERVE THE PERSON WHOSE THE PUBLIC TO SERVE THE PUBLIC TO SERVE THE PUBLIC THE PUBL	personally known to me, or proved to me through satisfactory of the person whose name was signed of the person whose name was signed of the person whose signed the forest the person whose name was signed to th	punty of Jales day of Massachuses day of Massachuse day o	punty of	punty of Commonwealth Commonwe

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Inventor's Signature:
Craig Siegel State/Commonwealth
or MASSachusetts
County of MIDDLESEX
On this day of November, 20_04, before me, the undersigned notary public, personally appeared Craig Siegel,
personally known to me, or
proved to me through satisfactory evidence of identification, which was
to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.
SENSONIA ENGLISH TWOCING ENGLISH NOTARY Public
Notary Public PC(SQL)/a Fanc L. C. (print name)
Commonwealth of Massachusens My Commission Expires Oct 7, 2005 My Commission expires 10 / 7 / 2005
Inventor's Signature: OND Hold
State/Commonwealth
of mass Aeliuselts
County of MIDDUESEX
On this 1972 day of Rosember, 2004, before me, the undersigned notary public, personally appeared Carol A. Nelson,
personally known to me, or
proved to me through satisfactory evidence of identification, which was
to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.
SEA PRISCILLA ENGLISH TUSELUR CICAL, Notary Public
Notary Public Commonwealth of Massachusens Met Cella Exx 1,54 (print name)
My Commission Expires Oct 7, 2005 My Commission expires 10 / 7 / 05

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	Docket No. 3646.1000-020
Inventor's Signature:	Diano) P. (opeland)
State/Commonwealth	Diane P. Copeland
of MASSACHUSEITS	
County of MIDDLES	<u>×</u>
	of November, 2004, before me, the undersigned opeared Diane P. Copeland,
personally known to	me, or
	h satisfactory evidence of identification, which was - Dlucks Liceuse
*	ne was signed on the foregoing instrument in my presence, and igned the foregoing instrument as his/her free act and deed.
PRISCILLA ENGLISH	Friedle Engl. Notary Public
Notary Public Commonwealth of Massachusetts	PRISA: 1/2 English (print name)
My Commission Expires Oct 7, 2005	My Commission expires 10 / 7 / 05

ФРР Фергария ООМ АЛМ МООМ АЛН БЕКОО "Малеве 208990.;

RECORDED: 02/17/2005