

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Daniel Oppenheimer	08/18/2005
Emil D. Kakkis	08/24/2005
Fredric D. Price	08/06/2005
Alejandro Dorenbaum	08/24/2005

RECEIVING PARTY DATA

Name:	BioMarin Pharmaceutical Inc.
Street Address:	105 Digital Drive
City:	Novato
State/Country:	CALIFORNIA
Postal Code:	94949

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	11143887

CORRESPONDENCE DATA

Fax Number: (312)474-0448
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.
 Email: wsalgado@marshallip.com
 Correspondent Name: Waleska Salgado
 Address Line 1: 233 South Wacker Drive, Suite 6300
 Address Line 4: Chicago, ILLINOIS 60606

ATTORNEY DOCKET NUMBER:	30610/39526B
NAME OF SUBMITTER:	Shelley C. Danek

Total Attachments: 6
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**PATENT
 REEL: 022047 FRAME: 0873**

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ASSIGNMENT

International Application No.: PCT/US04/038296 Filed: November 17, 2004
U.S. Application Serial No.: 60/520,767 Filed: November 17, 2003

Title: METHODS AND COMPOSITIONS FOR THE TREATMENT OF METABOLIC DISORDERS

For good and sufficient consideration, the receipt and sufficiency whereof are hereby acknowledged, the undersigned hereby assign to BioMarin Pharmaceutical Inc., 105 Digital Drive, Novato, California 94949 (hereinafter "Assignee"), its successors and assigns, the entire right, title and interest in the invention or improvements of the undersigned disclosed in the above-identified applications for Letters Patent of the United States, and in said applications and any and all other applications, both United States and foreign, which the undersigned may file, either solely or jointly with others, on said invention or improvements, and in any and all Letters Patent of the United States and foreign countries, which may be obtained on any of said applications, and in any reissue or extension thereof.

The undersigned hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to said assignee.

The undersigned warrant themselves to be the owners of the interest herein assigned and to have the right to make this assignment and further warrant that there are no outstanding prior assignments, licenses, or other rights in the interest herein assigned.

For said consideration the undersigned hereby agree, upon the request and at the expense of said assignee, its successors and assigns, to execute any and all divisional, continuation, continuation-in-part and substitute applications for said invention or improvements, and any necessary oath or affidavit relating thereto, and any application for the reissue or extension of any Letters Patent that may be granted upon said applications, and any and all applications and other documents for Letters Patent in foreign countries on said invention or improvements, that said assignee, its successors or assigns, may deem necessary or expedient, and for the aforesaid consideration the undersigned further agree upon the request of said assignee, its successors or assigns, in the event of any applications or Letters Patent assigned herein becoming involved in Interference, to cooperate to the best of the ability of the undersigned with said assignee, its successors or assigns, in the matters of preparing and executing the preliminary statement and giving and producing evidence in support thereof, the undersigned hereby agreeing to perform, upon request, any and all affirmative acts to obtain said Letters Patent, both United States and foreign, and vest all rights therein hereby conveyed in said assignee, its successors and assigns, whereby said Letters Patent will be held and enjoyed by said assignee, its successors and assigns, 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 and enjoyed by the undersigned if this assignment and sale had not been made.

WITNESS my hand this

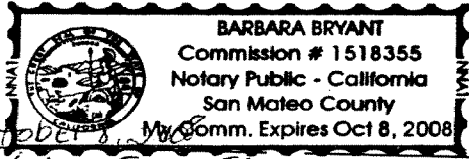
18th day of August, 2005

State of California
County of Marin

Daniel Oppenheimer
Daniel Oppenheimer

On this 18th day of August, 2005, before me, a Notary Public in and for the County and State aforesaid, appeared, to me personally known to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that they executed said instrument as his free and voluntary act and for the uses and purposes therein expressed.

WITNESS my hand and seal the same day and year last above given.



My Commission Expires:

October 8, 2008

Barbara Bryant
Notary Public

WITNESS my hand this

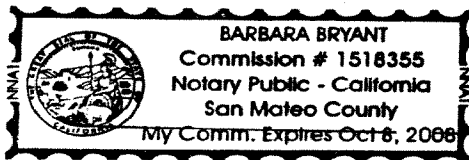
24th day of August 24, 2005

State of California
County of Marin

Emil D. Kakkis
Emil D. Kakkis

On this 24th day of August, 2005, before me, a Notary Public in and for the County and State aforesaid, appeared, to me personally known to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that they executed said instrument as his free and voluntary act and for the uses and purposes therein expressed.

WITNESS my hand and seal the same day and year last above given.



My Commission Expires:

Barbara Bryant
Notary Public

WITNESS my hand this _____ day of _____, 2005 .

State of _____
County of _____

Fredric D. Price

On this _____ day of _____, 2005, before me, a Notary Public in and for the County and State aforesaid, appeared, to me personally known to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that they executed said instrument as his free and voluntary act and for the uses and purposes therein expressed.

WITNESS my hand and seal the same day and year last above given.

My Commission Expires: _____

Notary Public

WITNESS my hand this 24 day of August, 2005 .

State of California
County of Marin

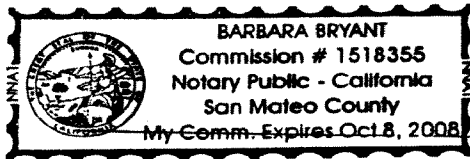
Alejandro Dorenbaum

Alejandro Dorenbaum

On this 24th day of August, 2005, before me, a Notary Public in and for the County and State aforesaid, appeared, to me personally known to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that they executed said instrument as his free and voluntary act and for the uses and purposes therein expressed.

WITNESS my hand and seal the same day and year last above given.

My Commission Expires: _____



Barbara Bryant

Notary Public

ASSIGNMENT

International Application No.: PCT/US04/038296 Filed: November 17, 2004
U.S. Application Serial No.: 60/520,767 Filed: November 17, 2003

Title: METHODS AND COMPOSITIONS FOR THE TREATMENT OF METABOLIC DISORDERS

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The undersigned hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to said assignee.

The undersigned warrant themselves to be the owners of the interest herein assigned and to have the right to make this assignment and further warrant that there are no outstanding prior assignments, licenses, or other rights in the interest herein assigned.

For said consideration the undersigned hereby agree, upon the request and at the expense of said assignee, its successors and assigns, to execute any and all divisional, continuation, continuation-in-part and substitute applications for said invention or improvements, and any necessary oath or affidavit relating thereto, and any application for the reissue or extension of any Letters Patent that may be granted upon said applications, and any and all applications and other documents for Letters Patent in foreign countries on said invention or improvements, that said assignee, its successors or assigns, may deem necessary or expedient, and for the aforesaid consideration the undersigned further agree upon the request of said assignee, its successors or assigns, in the event of any applications or Letters Patent assigned herein becoming involved in Interference, to cooperate to the best of the ability of the undersigned with said assignee, its successors or assigns, in the matters of preparing and executing the preliminary statement and giving and producing evidence in support thereof, the undersigned hereby agreeing to perform, upon request, any and all affirmative acts to obtain said Letters Patent, both United States and foreign, and vest all rights therein hereby conveyed in said assignee, its successors and assigns, whereby said Letters Patent will be held and enjoyed by said assignee, its successors and assigns, 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 and enjoyed by the undersigned if this assignment and sale had not been made.

WITNESS my hand this _____ day of _____, 2005 .

State of _____
County of _____

Daniel Oppenheimer

On this _____ day of _____, 2005, before me, a Notary Public in and for the County and State aforesaid, appeared, to me personally known to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that they executed said instrument as his free and voluntary act and for the uses and purposes therein expressed.

WITNESS my hand and seal the same day and year last above given.

My Commission Expires: _____

Notary Public

WITNESS my hand this _____ day of _____, 2005 .

State of _____
County of _____

Emil D. Kakkis

On this _____ day of _____, 2005, before me, a Notary Public in and for the County and State aforesaid, appeared, to me personally known to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that they executed said instrument as his free and voluntary act and for the uses and purposes therein expressed.

WITNESS my hand and seal the same day and year last above given.

My Commission Expires: _____

Notary Public

WITNESS my hand this

6 day of August, 2005

State of NEW YORK
County of WESTCHESTER

[Signature]
Fredric D. Price

On this 6th day of AUGUST, 2005, before me, a Notary Public in and for the County and State aforesaid, appeared, to me personally known to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that they executed said instrument as his free and voluntary act and for the uses and purposes therein expressed.

WITNESS my hand and seal the same day and year last above given.

My Commission Expires:

1/20/08

[Signature]

NOTARY PUBLIC. MILLER
NOTARY PUBLIC, STATE OF NEW YORK
No. 01M16104473
QUALIFIED IN WESTCHESTER COUNTY
MY COMMISSION EXPIRES JAN. 20, 2008

WITNESS my hand this

_____ day of _____, 2005

State of _____
County of _____

Alejandro Dorenbaum

On this _____ day of _____, 2005, before me, a Notary Public in and for the County and State aforesaid, appeared, to me personally known to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that they executed said instrument as his free and voluntary act and for the uses and purposes therein expressed.

WITNESS my hand and seal the same day and year last above given.

My Commission Expires:

Notary Public