



TO THE ASSISTANT COMMISSIONER FOR PA

ments or copy thereof.

102416786

1. Name of conveying party(ies): (If multiple assignors, list numerically)

(1) James Kanter; (2) John J.G. Mullins; (3) Anjali Pandey; (4) Robert Scarborough

2. Name and address of receiving party(ies):

Name: Millennium Pharmaceuticals, Inc.
Internal Address:
Street Address: 75 Sidney Street
City: Cambridge State: MA ZIP: 02139

Additional name(s) of conveying party(ies) attached?
() Yes (X) No

4-11-03

Additional name(s) of receiving party(ies) attached?
() Yes (X) No

3. Nature of conveyance:

- (X) Assignment
() Merger
() Security Agreement
() Change of Name
() Other:

Execution Date: (If multiple assignors, list execution dates in numerical order corresponding to numbers indicated in 1 above) (1) 3/5/03; (2) 3/21/03; (3) 2/25/03; (4) 3/18/03

4. Application number(s) or Patent number(s):

- () Application(s) filed herewith Execution Date(s):
(X) Patent Application No.: 10/297,103 Filing Date: 11/27/02
() Patent No.: Issue Date:

Additional numbers attached? () Yes (X) No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Connie C. Tong, Ph.D.
KNOBBE, MARTENS, OLSON & BEAR, LLP
Customer No. 20,995
Internal Address: Fourteenth Floor
Street Address: 2040 Main Street
City: Irvine State: CA ZIP: 92614
Attorney's Docket No.: CORR.025NP

7. Total fee (37 CFR 1.21(h)): \$40

- (X) Enclosed
() Authorized to be charged to deposit account

8. Deposit account number: 11-1410

Please charge this account for any additional fees which may be required, or credit any overpayment to this account.

6. Total number of applications and patents involved: 1

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct, and any attached copy is a true copy of the original document.

Connie C. Tong
Name of Person Signing

Signature

April 8, 2003
Date

52,292
Registration No.

Total number of pages including cover sheet, attachments and document: 7

Mail documents to be recorded with required cover sheet information to:

04/14/2003 6TON11 0000052 10297103

01 FC:0021

40.00 DP

U.S. Patent and Trademark Office
Attn: Assignment Division
Crystal Gateway-4
1213 Jefferson Davis Highway, Suite 320
Arlington, VA 22202

CCT-4236.DOC:cb
040803

ASSIGNMENT

WHEREAS, WE (1) **James Kanter**, a citizen of the United States of America, residing at 132 Rosaflora Circle, South San Francisco, CA 94080; (2) **John J.G. Mullins**, a citizen of the United States of America, residing at _____; (3) **Anjali Pandey**, a citizen of the United States of America, residing at 4506 Armiens Avenue, Fremont, CA 94555; and (4) **Robert Scarborough**, a citizen of the United States of America, residing at 22 Greenbrier Court, Half Moon Bay, CA 94019, hereinafter referred to as Assignor (collectively if more than one inventor is listed above), have invented certain new and useful improvements in entitled invention entitled **SYNTHESIS OF 2-ACYL SUBSTITUTED CHROMANES AND INTERMEDIATES THEREOF**, the specification of which:

- (a) was filed on **November 27, 2002** as Application No. **10/297,103** and was amended pursuant a Preliminary Amendment also filed on **November 27, 2002**; or
- (b) was described and claimed in PCT International Application No. **PCT/US01/17667** filed on **June 1, 2001**

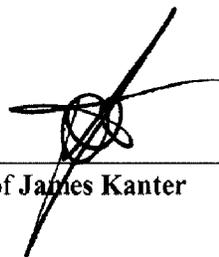
AND WHEREAS, **MILLENNIUM PHARMACEUTICALS, INC.**, a Delaware corporation, with its principal place of business at **75 Sidney Street, Cambridge, MA 02139** (hereinafter referred to as Assignee) desires to acquire the entire right, title, and interest in and to the said improvements with respect to the United States of America, its territories and possessions.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor hereby acknowledges that it has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title, and interest in the United States of America, and its territories and possessions in, to and under said improvements, and any Patent Applications in the United States of America and all divisions, renewals and continuations thereof, and all Patents of the United States of America which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions; and Assignor hereby authorizes and requests the Commissioner of Patents of the United States of America to issue all Patents for said improvements to Assignee, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND ASSIGNOR HEREBY covenants and agrees that it will communicate to Assignee, its successors, legal representatives and assigns, any facts known to it respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in the United States of America.

IN TESTIMONY WHEREOF, Assignor intending to be legally bound has hereunto affixed its signature.

This 5th day of MARCH, 2003



Signature of **James Kanter**

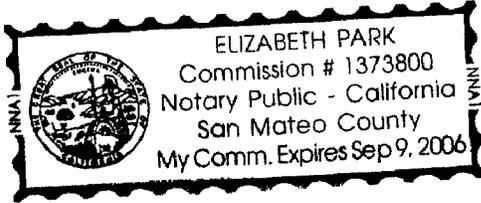
STATE OF California }
COUNTY OF San Mateo } ss.

On March 5, 2003, before me, Elizabeth Park, personally **James Kanter**, personally known to me (~~or 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.

WITNESS my hand and official seal.

[SEAL]



Elizabeth Park
Notary Signature

This _____ day of _____, 2003

Signature of **John J.G. Mullins**

STATE OF *California* }
COUNTY OF *San Mateo* } ss.

On _____, before me, _____, personally **John J.G. Mullins**, personally known to me (or 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.

WITNESS my hand and official seal.

[SEAL]

Notary Signature

This 25th day of Feb, 2003

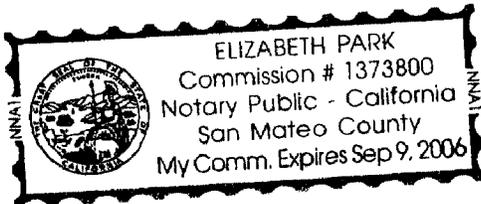
Anjali Pandey
Signature of **Anjali Pandey**

STATE OF *California* }
COUNTY OF *San Mateo* } ss.

On February 25, 2003, before me, Elizabeth Park, personally **Anjali Pandey**, personally known to me (~~or 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.

WITNESS my hand and official seal.

[SEAL]



Elizabeth Park
Notary Signature

This 18 day of March, 2003

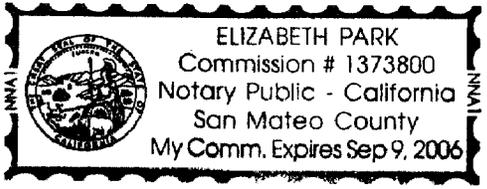
Robert M. Scarborough
Signature of Robert Scarborough

STATE OF California }
COUNTY OF San Mateo } ss.

On March 18, 2003, before me, Elizabeth Park, Robert Scarborough, personally known to me (~~or 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.

WITNESS my hand and official seal.

[SEAL]



Elizabeth Park
Notary Signature

ASSIGNMENT

WHEREAS, WE (1) **James Kanter**, a citizen of the United States of America, residing at 132 Rosaflora Circle, South San Francisco, CA 94080; (2) **John J.G. Mullins**, a citizen of the United States of America, residing at 3055 Gough St #102, SF CA 94123; (3) **Anjali Pandey**, a citizen of the United States of America, residing at 4506 Armiens Avenue, Fremont, CA 94555; and (4) **Robert Scarborough**, a citizen of the United States of America, residing at 22 Greenbrier Court, Half Moon Bay, CA 94019, hereinafter referred to as Assignor (collectively if more than one inventor is listed above), have invented certain new and useful improvements in entitled invention entitled **SYNTHESIS OF 2-ACYL SUBSTITUTED CHROMANES AND INTERMEDIATES THEREOF**, the specification of which:

- (a) was filed on **November 27, 2002** as Application No. **10/297,103** and was amended pursuant a Preliminary Amendment also filed on **November 27, 2002**; or
- (b) was described and claimed in PCT International Application No. **PCT/US01/17667** filed on **June 1, 2001**

AND WHEREAS, **MILLENNIUM PHARMACEUTICALS, INC.**, a Delaware corporation, with its principal place of business at **75 Sidney Street, Cambridge, MA 02139** (hereinafter referred to as Assignee) desires to acquire the entire right, title, and interest in and to the said improvements with respect to the United States of America, its territories and possessions.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor hereby acknowledges that it has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title, and interest in the United States of America, and its territories and possessions in, to and under said improvements, and any Patent Applications in the United States of America and all divisions, renewals and continuations thereof, and all Patents of the United States of America which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions; and Assignor hereby authorizes and requests the Commissioner of Patents of the United States of America to issue all Patents for said improvements to Assignee, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND ASSIGNOR HEREBY covenants and agrees that it will communicate to Assignee, its successors, legal representatives and assigns, any facts known to it respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in the United States of America.

IN TESTIMONY WHEREOF, Assignor intending to be legally bound has hereunto affixed its signature.

This _____ day of _____, 2003

Signature of **James Kanter**

STATE OF _____ }
 } ss.
COUNTY OF _____ }

On _____, before me, _____, personally **James Kanter**, personally known to me (or 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.

WITNESS my hand and official seal.

[SEAL]

Notary Signature

This 21 day of March, 2003

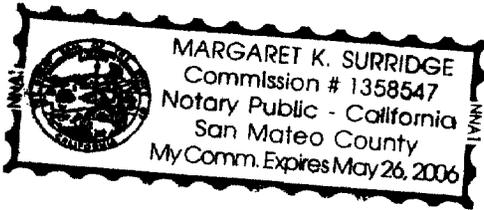
J. J. Mullins
Signature of **John J.G. Mullins**

STATE OF California }
 } ss.
COUNTY OF San Mateo }

On March 21, 2003, before me, Margaret K. Surridge, Notary Public, personally **John J.G. Mullins**, personally known to me (~~or 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.

WITNESS my hand and official seal.

[SEAL]



Margaret K. Surridge
Notary Signature

This _____ day of _____, 2003

Signature of **Anjali Pandey**

STATE OF _____ }
 } ss.
COUNTY OF _____ }

On _____, before me, _____, personally **Anjali Pandey**, personally known to me (or 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.

WITNESS my hand and official seal.

[SEAL]

Notary Signature

This _____ day of _____, 2003

Signature of **Robert Scarborough**

STATE OF _____ }
 } ss.
COUNTY OF _____ }

On _____, before me, _____, **Robert Scarborough**, personally known to me (or 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.

WITNESS my hand and official seal.

[SEAL]

Notary Signature

VCCT-3683.DOC:cb011503