

08-28-2003



TO THE ASSISTANT COMMISSIONER FOR PAT.

102536596

ents or copy thereof.

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

(1) **James Kanter**; (2) **John J.G. Mullins**; (3) **Robert Scarborough**; (4) **Derek Walker**; (5) **Thomas Hense**

Additional name(s) of conveying party(ies) attached?

() Yes (X) No

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 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) **3/18/03**; (4) **4/28/03**; (5) **8/18/03**

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

() Application(s) filed herewith Execution Date(s):

(X) Patent Application No.: **10/296,873**  
Filing Date: **November 26, 2002**

( ) 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.028NP**

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, Ph.D.  
Name of Person Signing

  
Signature

August 21, 2003  
Date

52,292  
Registration No.

Total number of pages including cover sheet, attachments and document: 11

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

08/27/2003 LMUELLER 00000150 10296873

01 FC:8021

40.00 DP

CCT-5005.DOC:cb 082103

Mail Stop Assignment Recordation Services  
Director, U.S. Patent and Trademark Office  
P.O. Box 1450  
Alexandria, VA 22313-1450

2003 AUG 26 AM 8:10  
OPR/FINANCE

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) **Robert Scarborough**, a citizen of the United States of America, residing at 22 Greenbrier Court, Half Moon Bay, CA 94019; (4) **Derek Walker**, a citizen of the United States of America, residing at \_\_\_\_\_; and (5) **Thomas Hense**, a citizen of Czechoslovakia, residing at \_\_\_\_\_, 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 **METHODS FOR PRODUCING AMINO SUBSTITUTED CHROMANES**, the specification of which:

- (a) ☒ was filed on **November 26, 2002** as Application No. **10/296,873** and was amended pursuant a Preliminary Amendment also filed on **November 26, 2002**; or
- (b) ☒ was described and claimed in PCT International Application No. **PCT/US01/17688** 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 \_\_\_\_\_

COUNTY OF \_\_\_\_\_

}  
}  
ss.

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

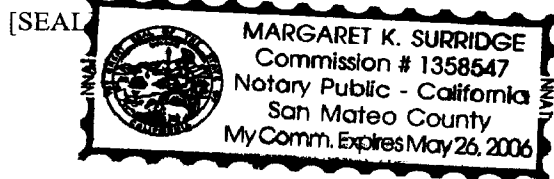
This 21 day of March, 2003

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

STATE OF California }  
COUNTY OF San Mateo } ss.

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.



*Margaret K. Surridge*  
Notary Signature

This \_\_\_\_\_ day of \_\_\_\_\_, 2003

\_\_\_\_\_  
Signature of **Robert Scarborough**

STATE OF \_\_\_\_\_ }  
COUNTY OF \_\_\_\_\_ } ss.

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

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) **Robert Scarborough**, a citizen of the United States of America, residing at 22 Greenbrier Court, Half Moon Bay, CA 94019; (4) **Derrick Walker**, a citizen of the United States of America, residing at \_\_\_\_\_; and (5) **Thomas Hense**, a citizen of Czechoslovakia, residing at \_\_\_\_\_, 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 **METHODS FOR PRODUCING AMINO SUBSTITUTED CHROMANES**, the specification of which:

- (a) ☒ was filed on **November 26, 2002** as Application No. **10/296,873** and was amended pursuant a Preliminary Amendment also filed on **November 26, 2002**; or
- (b) ☒ was described and claimed in PCT International Application No. **PCT/US01/17688** filed on **June 1, 2001**

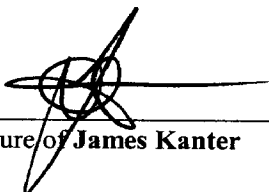
AND WHEREAS, **MILLENNIUM PHARMACEUTICALS, INC.**, a Delaware corporation, with its principal place of business at **75 Sidney Street, Cambridge, MA 02139** (hereinafter referred to as Assignee) desires to acquire the entire right, title, and interest in and to the said improvements with respect to the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

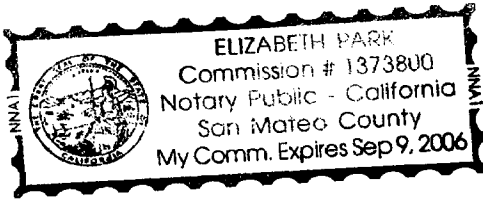
STATE OF California }  
COUNTY OF San Mateo } ss.

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 \_\_\_\_\_ }  
COUNTY OF \_\_\_\_\_ } 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 18 day of March, 2003

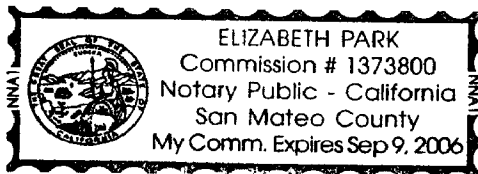
*Robert M. Scarborough*  
Signature of Robert Scarborough

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 \_\_\_\_\_; (3) **Robert Scarborough**, a citizen of the United States of America, residing at 22 Greenbrier Court, Half Moon Bay, CA 94019; (4) **Derek Walker**, a citizen of the United States of America, residing at 38, Gloucester Rd., SUMMIT, NJ 07901; and (5) **Thomas Hense**, a citizen of Czechoslovakia, residing at \_\_\_\_\_, 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 **METHODS FOR PRODUCING AMINO SUBSTITUTED CHROMANES**, the specification of which:

- (a) ☒ was filed on **November 26, 2002** as Application No. **10/296,873** and was amended pursuant a Preliminary Amendment also filed on **November 26, 2002**; or
- (b) ☒ was described and claimed in PCT International Application No. **PCT/US01/17688** 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 \_\_\_\_\_ day of \_\_\_\_\_, 2003

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

STATE OF \_\_\_\_\_ }  
COUNTY OF \_\_\_\_\_ } 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 \_\_\_\_\_ day of \_\_\_\_\_, 2003

\_\_\_\_\_  
Signature of **Robert Scarborough**

STATE OF \_\_\_\_\_ }  
COUNTY OF \_\_\_\_\_ } ss.

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

This 28<sup>th</sup> day of April, 2003

Derek Walker  
Signature of **Derek Walker**

STATE OF NEW JERSEY }  
COUNTY OF UNION } ss.

On APRIL 28, 2003, before me, KATHLEEN TORPEY, **Derek Walker**, 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]

Kathleen Torpey

Notary Signature  
**KATHLEEN TORPEY**  
NOTARY PUBLIC OF NEW JERSEY  
My Commission Expires 09/01/04

This \_\_\_\_\_ day of \_\_\_\_\_, 2003

\_\_\_\_\_  
Signature of **Thomas Hense**

**Witnessed By:**

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Dated



CORR.028NP

PATENT

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) Robert Scarborough, a citizen of the United States of America, residing at 22 Greenbrier Court, Half Moon Bay, CA 94019; (4) Derek Walker, a citizen of the United States of America, residing at \_\_\_\_\_; and (5) Thomas Hense, a citizen of ~~Czechoslovakia~~ <sup>Germany</sup>, residing at ~~HAUNERSTEDT WEG 20, D-45665 RECKLINGHAUSEN, GERMANY~~ <sup>HAUNERSTEDT WEG 20, D-45665 RECKLINGHAUSEN, GERMANY</sup>, 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 **METHODS FOR PRODUCING AMINO SUBSTITUTED CHROMANES**, the specification of which:

- (a) ☒ was filed on November 26, 2002 as Application No. 10/296,873 and was amended pursuant a Preliminary Amendment also filed on November 26, 2002; or
- (b) ☒ was described and claimed in PCT International Application No. PCT/US01/17688 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 \_\_\_\_\_ }  
COUNTY OF \_\_\_\_\_ } ss.

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 \_\_\_\_\_ day of \_\_\_\_\_, 2003

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

STATE OF \_\_\_\_\_

COUNTY OF \_\_\_\_\_

}  
}  
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 \_\_\_\_\_ day of \_\_\_\_\_, 2003

\_\_\_\_\_  
Signature of **Robert Scarborough**

STATE OF \_\_\_\_\_

COUNTY OF \_\_\_\_\_

}  
}  
ss.

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

This \_\_\_\_\_ day of \_\_\_\_\_, 2003

\_\_\_\_\_  
Signature of Derek WalkerSTATE OF \_\_\_\_\_  
COUNTY OF \_\_\_\_\_} ss.  
}

On \_\_\_\_\_, before me, \_\_\_\_\_, Derek Walker, 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 SignatureThis 18 day of August, 2003Dr. Thomas Hense  
Signature of Thomas Hense

Witnessed By:

[Signature]  
Signature18-Aug-2003  
Dated