B/O FORM PTO-1595 (Rev. 6/93)



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U.S. Department of Commerce Patent and Trademark Office

	PATENTS	5 ONLY	3.6	. 01
To the Honorab	le Commissioner of Patents and Trademarks. Pleas	e record the attached	original docum	nents or copies thereof.
1. Name of Conv		2. Name and Address of Receiving Party(ies):		
David Edmund BAYS Richard Peter Charles COUSINS Hazel Joan DYKE		Name:		ELLCOME INC.
	Colin David ELDRED Brian David JUDKINS	Internal Address:		
Д	Martin PASS andrew Michael Kenneth PENNELL	Street Address: Five Moore Drive		
☐ Addition	onal names of conveying parties attached.			
3. Nature of Conv	/eyance:	7		
	signment □ Merger curity Agreement □ Change of Name her:	City, State, Zip:	Research	Triangle Park, NC 27709
Execution Da	te: 12/22/00; 12/28/00; 1/2/01; 1/3/01; 1/4/01; 1/9/01	☐ Addition	☐ Additional name(s) and address(es) attached.	
4. (A) Patent Application		4. (B) Patent Number(s):		
PCT/EP99/04	182 now USSN 09/736,018			
POT UEDUVIJE <b>00</b>  :	000124 09736018 40.00 of			
	s being filed together with a new secution date of the application is:			
	☐ Additional Num	bers Attached.		
5. Name and Address of Party to whom Correspondence Concerning this Document Should be Mailed:		Total Number of App Pate	plications and ents Involved:	1
Name:	RICHARD E. FICHTER Registration No. 26,382	7. Total Fee: (37 CFR 3.41)		\$40.00
Address:	Bacon & Thomas	XI Enclosed		
	625 Slaters Lane	☐ Authorized to be charged to deposit account		
	Alexandria, VA 22314	8. Deposit Account Nu		02-0200
	DO NOT USE T	<del></del>	OPY OF THIS PAGE	IF PAYING BY DEPOSIT ACCOUNT
	Signature:  e best of my knowledge and belief, the forego c copy of the original document.	ing is true and corre	ct and any	attached copy is
Richard E. Fichter		charl 5 P	icht	March 6, 2001
Name	e of Person Signing	Signature		Date
		<u>-</u>		

B&T-ASSIGN

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### **ASSIGNMENT**

WHEREAS I/WE, David Edmund BAYS residing at 9 Windmill Field, Ware, Hertfordshire, SG12 9PE, GB and Hazel Joan DYKE, residing at Celtec Chrioscience Ltd, Granta Park, Cambridge, CB1 6GS, GB (formerly of Chrioscience Ltd, Cambridge Science Park, Milton Road, Cambridge, CB4 4WE, GB) (hereinafter called "the inventor(s)") have invented or discovered "Adenosine Derivatives" (hereinafter called "the invention") for which an application for Letters Patent in the United States of America was originally filed as International Application No. PCT/EP99/04182 on 21 June 1999 (hereinafter called "the application"), and

WHEREAS the invention, being made in the circumstances set out in Section 39(1)(a) of the United Kingdom Patents Act 1977, belongs to my/our employer at that time, namely GLAXO RESEARCH AND DEVELOPMENT LIMITED, a company incorporated in England whose registered address is Glaxo Wellcome House, Berkeley Avenue, Greenford, Middlesex UB6 ONN, England, and

WHEREAS GLAXO RESEARCH AND DEVELOPMENT LIMITED has authorised and requested my/our making the application, and

WHEREAS GLAXO WELLCOME INC., a corporation organised and existing under and by virtue of the laws of the State of North Carolina and having its principal place of business at Five Moore Drive, Research Triangle Park, North Carolina 27709, USA is desirous of acquiring the whole right, title and interest in and to the invention and the application in respect of the United States of America;

NOW, THEREFORE, to all whom it may concern be it known that I/we, the inventor(s), hereby confirm the ownership by GLAXO RESEARCH AND DEVELOPMENT LIMITED of the invention and the application by operation of law under the United Kingdom Patents Act 1977 and, if under the law of the United States of America I/we the inventor(s) have any ownership right, title and interest in the invention and the application (which I/we do not believe to be the case and claim no ownership right, title or interest in the invention and the application based on the law of the United

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Kingdom), I/we the inventor(s) nevertheless hereby assign and transfer such ownership right, title and interest in and to the invention and the application to GLAXO RESEARCH AND DEVELOPMENT LIMITED. GLAXO RESEARCH AND DEVELOPMENT LIMITED in turn hereby assigns and transfers to GLAXO WELLCOME INC. its whole right, title and interest in and throughout the United States of America in and to the invention and the application and in and to any priority rights in respect of the invention and the application and in and to any divisional application, continuation, or continuation in part application thereof, and in and to any extension or re-issue thereof, and I/we the inventor(s) and GLAXO RESEARCH AND DEVELOPMENT LIMITED hereby authorise and request any patent arising therefrom in the United States of America be issued to GLAXO WELLCOME INC.

AND GLAXO RESEARCH AND DEVELOPMENT LIMITED hereby, and I/we the inventor(s) for myself/ourselves and my/our respective executors and legal representatives hereby, agree to provide information and make execute and deliver any and all other instruments in writing, and any and all further acts, applications, papers, affidavits, assignments and other documents which may be possible and are necessary or desirable to more effectually secure to and vest in GLAXO WELLCOME INC., its successors and assigns, the whole right, title and interest in and to the invention and the application hereby assigned and transferred in respect of the United States of America.

IT is hereby declared that each of the transactions hereby effected does not form part of a larger transaction or of a series of transactions in respect of which the amount or value, or the aggregate amount or value, of the consideration exceeds £60,000.

IN WITNESS whereof and with effect from this day of the inventor(s) and Graham George Brereton as Attorney of GLAXO RESEARCH AND DEVELOPMENT LIMITED by virtue of a Power of Attorney granted by GLAXO RESEARCH AND DEVELOPMENT LIMITED have hereunto set their respective hands.

Haved Barnand Bary
in the presence of:

MJ Tucker

SIGNED by Hazel Joan DYKE:

Date .....

Church

In the presence of:

SIGNED by the said Graham George Brereton as the Attorney of Glaxo Research and **Development Limited:** 

Date 12/01/01

P95459/115

## **ASSIGNMENT**

WHEREAS I/WE, David Edmund BAYS residing at 9 Windmill Field, Ware, Hertfordshire, SG12 9PE, GB and Hazel Joan DYKE, residing at Celtec Chrioscience Ltd, Granta Park, Cambridge, CB1 6GS, GB (formerly of Chrioscience Ltd, Cambridge Science Park, Milton Road, Cambridge, CB4 4WE, GB) (hereinafter called "the inventor(s)") have invented or discovered "Adenosine Derivatives" (hereinafter called "the invention") for which an application for Letters Patent in the United States of America was originally filed as International Application No. PCT/EP99/04182 on 21 June 1999 (hereinafter called "the application"), and

WHEREAS the invention, being made in the circumstances set out in Section 39(1)(a) of the United Kingdom Patents Act 1977, belongs to my/our employer at that time, namely GLAXO RESEARCH AND DEVELOPMENT LIMITED, a company incorporated in England whose registered address is Glaxo Wellcome House, Berkeley Avenue, Greenford, Middlesex UB6 ONN, England, and

WHEREAS GLAXO RESEARCH AND DEVELOPMENT LIMITED has authorised and requested my/our making the application, and

WHEREAS GLAXO WELLCOME INC., a corporation organised and existing under and by virtue of the laws of the State of North Carolina and having its principal place of business at Five Moore Drive, Research Triangle Park, North Carolina 27709, USA is desirous of acquiring the whole right, title and interest in and to the invention and the application in respect of the United States of America;

NOW, THEREFORE, to all whom it may concern be it known that I/we, the inventor(s), hereby confirm the ownership by GLAXO RESEARCH AND DEVELOPMENT LIMITED of the invention and the application by operation of law under the United Kingdom Patents Act 1977 and, if under the law of the United States of America I/we the inventor(s) have any ownership right, title and interest in the invention and the application (which I/we do not believe to be the case and claim no ownership right, title or interest in the invention and the application based on the law of the United

Kingdom), I/we the inventor(s) nevertheless hereby assign and transfer such ownership right, title and interest in and to the invention and the application to GLAXO RESEARCH AND DEVELOPMENT LIMITED. GLAXO RESEARCH AND DEVELOPMENT LIMITED in turn hereby assigns and transfers to GLAXO WELLCOME INC. its whole right, title and interest in and throughout the United States of America in and to the invention and the application and in and to any priority rights in respect of the invention and the application and in and to any divisional application, continuation, or continuation in part application thereof, and in and to any extension or re-issue thereof, and I/we the inventor(s) and GLAXO RESEARCH AND DEVELOPMENT LIMITED hereby authorise and request any patent arising therefrom in the United States of America be issued to GLAXO WELLCOME INC.

AND GLAXO RESEARCH AND DEVELOPMENT LIMITED hereby, and I/we the inventor(s) for myself/ourselves and my/our respective executors and legal representatives hereby, agree to provide information and make execute and deliver any and all other instruments in writing, and any and all further acts, applications, papers, affidavits, assignments and other documents which may be possible and are necessary or desirable to more effectually secure to and vest in GLAXO WELLCOME INC., its successors and assigns, the whole right, title and interest in and to the invention and the application hereby assigned and transferred in respect of the United States of America.

IT is hereby declared that each of the transactions hereby effected does not form part of a larger transaction or of a series of transactions in respect of which the amount or value, or the aggregate amount or value, of the consideration exceeds £60,000.

IN WITNESS whereof and with effect from this day of the inventor(s) and Graham George Brereton as Attorney of GLAXO RESEARCH AND DEVELOPMENT LIMITED by virtue of a Power of Attorney granted by GLAXO RESEARCH AND DEVELOPMENT LIMITED have hereunto set their respective hands.

in the presence of:

SIGNED by Hazel Joan DYKE: 11 - Date 3112001

Churson J.

In the presence of:

SIGNED by the said Graham George Brereton as the Attorney of Glaxo Research and

Development Limited:

Date 12/01/01

P93459/15

# ASSIGNMENT

WHEREAS I/WE, Richard Peter Charles COUSINS, Colin David ELDRED and Brian David JUDKINS, residing at c/o Glaxo Wellcome plc, Gunnels Wood Road, Stevenage, Hertfordshire, SG1 2NY, GB and Martin PASS, residing at Astra Zeneca Pharmaceuticals, Mereside, Alderley Park, Macclesfield, Cheshire, SK10 4TG, GB (formerly co Glaxo Wellcome plc, Gunnels Wood Road, Stevenage, Hertfordshire, SG1 2NY, GB), and Andrew Michael Kenneth PENNELL residing at Genesoft Inc., 2 Corporate Drive, Suite 100, South San Francisco, Ca 94080, US (hereinafter called "the author(s)") have created "Adenosine Derivatives" (hereinafter called "the design") for which an application for Letters Patent in the United States of America was originally filed as International Application No. PCT/EP99/04182 on 21 June 1999 (herein called "the application"), and

WHEREAS the invention, being made in the circumstances set out in Section 39(1)(a) of the United Kingdom Patents Act 1977, belongs to my/our employer, namely GLAXO WELLCOME plc, a company incorporated in England whose registered address is Lansdowne House, Berkeley Square, London W1X 6BQ, England, and

WHEREAS GLAXO RESEARCH AND DEVELOPMENT LIMITED, a company incorporated in England whose registered address is Glaxo Wellcome House, Berkeley Avenue, Greenford, Middlesex UB6 ONN, England, is desirous of acquiring from GLAXO WELLCOME plc the whole right, title and interest in and to the invention and the application, and

WHEREAS GLAXO WELLCOME plc and GLAXO RESEARCH AND DEVELOPMENT LIMITED have authorised and requested my/our making the application, and

WHEREAS GLAXO WELLCOME INC., a corporation organised and existing under and by virtue of the laws of the State of North Carolina and having its principal place of business at Five Moore Drive, Research Triangle Park, North Carolina 27709, USA is desirous of acquiring from GLAXO RESEARCH AND DEVELOPMENT LIMITED the whole

right, title and interest in and to the invention and the application in respect of the United States of America;

NOW, THEREFORE, to all whom it may concern be it known that I/we, the inventor(s). hereby confirm the ownership by GLAXO WELLCOME plc of the invention and the application by operation of law under the United Kingdom Patents Act 1977 and, if under the law of the United States of America I/we the inventor(s) have any ownership right, title and interest in the invention and the application (which I/we do not believe to be the case and claim no ownership right, title or interest in the invention and the application based on the law of the United Kingdom), I/we the inventor(s) nevertheless hereby assign and transfer such ownership right, title and interest in and to the invention and the application to GLAXO WELLCOME plc. GLAXO WELLCOME plc in turn hereby assigns and transfers to GLAXO RESEARCH AND DEVELOPMENT LIMITED its whole right, title and interest in and to the invention and the application. GLAXO RESEARCH AND DEVELOPMENT LIMITED in turn hereby assigns and transfers to GLAXO WELLCOME INC. its whole right, title and interest in and throughout the United States of America in and to the invention and the application and in and to any priority rights in respect of the invention and the application and in and to any divisional application, continuation or continuation in part application thereof, and in and to any extension or re-issue thereof, and I/we the inventor(s) and GLAXO WELLCOME plc and GLAXO RESEARCH AND DEVELOPMENT LIMITED hereby authorise and request any patent arising therefrom in the United States of America be issued to GLAXO WELLCOME INC.

AND GLAXO WELLCOME plc and GLAXO RESEARCH AND DEVELOPMENT LIMITED hereby, and I/we the inventor(s) for myself/ourselves and my/our respective executors and legal representatives hereby, agree to provide information and make execute and deliver any and all other instruments in writing, and any and all further acts, applications, papers, affidavits, assignments and other documents which may be possible and are necessary or desirable to more effectually secure to and vest in GLAXO WELLCOME INC., its successors and assigns, the whole right, title and interest in and to the invention and the application hereby assigned and transferred in respect of the United States of America.

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IT is hereby declared that each of the transactions hereby effected does not form part of a larger transaction or of a series of transactions in respect of which the amount or value, or the aggregate amount or value, of the consideration exceeds £60,000.

IN WITNESS whereof and with effect from the day of the inventor(s) and Graham George Brereton as Attorney of both GLAXO WELLCOME plc and GLAXO RESEARCH AND DEVELOPMENT LIMITED by virtue of Powers of Attorney granted by GLAXO WELLCOME plc and GLAXO RESEARCH AND DEVELOPMENT LIMITED respectively have hereunto set their respective hands.

SIGNED by Richard Peter Charles COUSINS:	Date
in the presence of:	
SIGNED by Colin David ELDRED:	Date
In the presence of:	
SIGNED by Brian David JUDKINS:	Date
In the presence of:	

In the presence of:

SIGNED by Andrew Michael Kenneth PENNELL:

Date 22nd December 2000

In the presence of:

Villen Pennell (WYNEFRED EILEEN PENNELL

SIGNED by Graham George Brereton as the Attorney of each of Glaxo Wellcome plc and Glaxo Research and Development Limited:

Date 12/1/01

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### ASSIGNMENT

WHEREAS I/WE, Richard Peter Charles COUSINS, Colin David ELDRED and Brian David JUDKINS, residing at c/o Glaxo Wellcome plc, Gunnels Wood Road, Stevenage, Hertfordshire, SG1 2NY, GB and Martin PASS, residing at Astra Zeneca Pharmaceuticals, Mereside, Alderley Park, Macclesfield, Cheshire, SK10 4TG, GB (formerly co Glaxo Wellcome plc, Gunnels Wood Road, Stevenage, Hertfordshire, SG1 2NY, GB), and Andrew Michael Kenneth PENNELL residing at Genesoft Inc., 2 Corporate Drive, Suite 100, South San Francisco, Ca 94080, US (hereinafter called "the author(s)") have created "Adenosine Derivatives" (hereinafter called "the design") for which an application for Letters Patent in the United States of America was originally filed as International Application No. PCT/EP99/04182 on 21 June 1999 (herein called "the application"), and

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WHEREAS GLAXO WELLCOME plc and GLAXO RESEARCH AND DEVELOPMENT LIMITED have authorised and requested my/our making the application, and

WHEREAS GLAXO WELLCOME INC., a corporation organised and existing under and by virtue of the laws of the State of North Carolina and having its principal place of business at Five Moore Drive, Research Triangle Park, North Carolina 27709, USA is desirous of acquiring from GLAXO RESEARCH AND DEVELOPMENT LIMITED the whole

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right, title and interest in and to the invention and the application in respect of the United States of America;

NOW, THEREFORE, to all whom it may concern be it known that I/we, the inventor(s), hereby confirm the ownership by GLAXO WELLCOME plc of the invention and the application by operation of law under the United Kingdom Patents Act 1977 and, if under the law of the United States of America I/we the inventor(s) have any ownership right, title and interest in the invention and the application (which I/we do not believe to be the case and claim no ownership right, title or interest in the invention and the application based on the law of the United Kingdom), I/we the inventor(s) nevertheless hereby assign and transfer such ownership right, title and interest in and to the invention and the application to GLAXO WELLCOME plc. GLAXO WELLCOME plc in turn hereby assigns and transfers to GLAXO RESEARCH AND DEVELOPMENT LIMITED its whole right, title and interest in and to the invention and the application. GLAXO RESEARCH AND DEVELOPMENT LIMITED in turn hereby assigns and transfers to GLAXO WELLCOME INC. its whole right, title and interest in and throughout the United States of America in and to the invention and the application and in and to any priority rights in respect of the invention and the application and in and to any divisional application, continuation or continuation in part application thereof, and in and to any extension or re-issue thereof, and I/we the inventor(s) and GLAXO WELLCOME plc and GLAXO RESEARCH AND DEVELOPMENT LIMITED hereby authorise and request any patent arising therefrom in the United States of America be issued to GLAXO WELLCOME INC.

AND GLAXO WELLCOME plc and GLAXO RESEARCH AND DEVELOPMENT LIMITED hereby, and I/we the inventor(s) for myself/ourselves and my/our respective executors and legal representatives hereby, agree to provide information and make execute and deliver any and all other instruments in writing, and any and all further acts, applications, papers, affidavits, assignments and other documents which may be possible and are necessary or desirable to more effectually secure to and vest in GLAXO WELLCOME INC., its successors and assigns, the whole right, title and interest in and to the invention and the application hereby assigned and transferred in respect of the United States of America.

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IN WITNESS whereof and with effect from the day of the inventor(s) and Graham George Brereton as Attorney of both GLAXO WELLCOME plc and GLAXO RESEARCH AND DEVELOPMENT LIMITED by virtue of Powers of Attorney granted by GLAXO WELLCOME plc and GLAXO RESEARCH AND DEVELOPMENT LIMITED respectively have hereunto set their respective hands.

SIGNED by Richard Peter Charles COUSINS:

Date TAN 300 2007

in the presence of: \(\sigma\). \(\lambda\)

SIGNED by Colin David ELDRED:

Date JANUARY 9TH 2001

In the presence of:

SIGNED by Brian David JUDKINS: B D File Date Date 2001

In the presence of:

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SIGNED by Andrew Michael Kenneth PENNELL:

Date .....

In the presence of:

SIGNED by Graham George Brereton as the Attorney of each of Glaxo Wellcome plc and Glaxo Research and Development Limited:

Date 12/01/01

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### **ASSIGNMENT**

WHEREAS I/WE, Richard Peter Charles COUSINS, Colin David ELDRED and Brian David JUDKINS, residing at c/o Glaxo Wellcome plc, Gunnels Wood Road, Stevenage, Hertfordshire, SG1 2NY, GB and Martin PASS, residing at Astra Zeneca Pharmaceuticals, Mereside, Alderley Park, Macclesfield, Cheshire, SK10 4TG, GB (formerly co Glaxo Wellcome plc, Gunnels Wood Road, Stevenage, Hertfordshire, SG1 2NY, GB), and Andrew Michael Kenneth PENNELL residing at Genesoft Inc., 2 Corporate Drive, Suite 100, South San Francisco, Ca 94080, US (hereinafter called "the author(s)") have created "Adenosine Derivatives" (hereinafter called "the design") for which an application for Letters Patent in the United States of America was originally filed as International Application No. PCT/EP99/04182 on 21 June 1999 (herein called "the application"), and

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WHEREAS GLAXO RESEARCH AND DEVELOPMENT LIMITED, a company incorporated in England whose registered address is Glaxo Wellcome House, Berkeley Avenue, Greenford, Middlesex UB6 ONN, England, is desirous of acquiring from GLAXO WELLCOME plc the whole right, title and interest in and to the invention and the application, and

WHEREAS GLAXO WELLCOME plc and GLAXO RESEARCH AND DEVELOPMENT LIMITED have authorised and requested my/our making the application, and

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AND GLAXO WELLCOME plc and GLAXO RESEARCH AND DEVELOPMENT LIMITED hereby, and I/we the inventor(s) for myself/ourselves and my/our respective executors and legal representatives hereby, agree to provide information and make execute and deliver any and all other instruments in writing, and any and all further acts, applications, papers, affidavits, assignments and other documents which may be possible and are necessary or desirable to more effectually secure to and vest in GLAXO WELLCOME INC., its successors and assigns, the whole right, title and interest in and to the invention and the application hereby assigned and transferred in respect of the United States of America.

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IN WITNESS whereof and with effect from the day of the inventor(s) and Graham George Brereton as Attorney of both GLAXO WELLCOME plc and GLAXO RESEARCH AND DEVELOPMENT LIMITED by virtue of Powers of Attorney granted by GLAXO WELLCOME plc and GLAXO RESEARCH AND DEVELOPMENT LIMITED respectively have hereunto set their respective hands.

SIGNED by Richard Peter Charles COUSINS:	Date
in the presence of:	
SIGNED by Colin David ELDRED:	Date
In the presence of:	
SIGNED by Brian David JUDKINS:	Date
In the presence of:	

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SIGNED by Martin PASS:	Date 2 20 Jane
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In the presence of: THE Breaking (ROBBET & BRADBURY)

SIGNED by Andrew Michael Kenneth PENNELL: Date ......

In the presence of:

SIGNED by Graham George Brereton as the Attorney of each of Glaxo Wellcome plc and Glaxo Research and Development Limited:

Date 12/01/01

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RECORDED: 03/06/2001