Attorney Docket No.: VPI/03-173 US

RECORDATION FORM COVER SHEET PATENTS ONLY			
FORM PTO-1595 (Rev. 6-93) OMB No. 0651-0011 (exp. 4/94)	U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office		
Please record the attached original documents or copy thereof.			
Name of conveying party(ies): a) Michael Wallace.	Name and address of receiving party(ies) Name: VERTEX PHARMACEUTICALS INCORPORATED		
Additional name(s) of conveying party(ies) attached? Yes No No Nature of conveyance: Assignment	Internal Address: Street Address: 130 WAVERLY STREET CAMBRIDGE, MASSACHUSETTS 02139-4242 Additional name(s) & address(es) attached? Yes No		
4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is A. Patent Application No(s): B. Patent No(s): 10/978,301 Additional numbers attached? ☐ Yes ☒ No			
5. Name and address of party to whom correspondence Concerning document should be mailed: Name: Lisa A. Dixon Address: VERTEX PHARMACEUTICALS INCORPORATED 130 Waverly Street Cambridge, MA 02139-4242	6. Total number of applications and patents involved: [1] 7. Total fee (37 CFR 3.41) \$40.00 ☐ Enclosed ☐ The Commissioner is authorized to charge Deposit Account No: 50-0725, Reference No. VPI/03-173 US.		
DO NOT USE THIS SPACE			
9. Statement and signature To the best of my knowledge and belief, the foregoing information's true and any attached copy is a true copy of the original document. Lisa A. Dixon January 17, 2005			
Name of Person Signing Signatu	Date		
Total number of pages including cover sheet, attachments, and document: [5]			

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

MAIL STOP ASSIGNMENT RECORDATION SERVICES
Director of the U.S. Patents and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450

PATENT REEL: 015599 FRAME: 0402 Attorney Docket No.: VPI/03-173 US

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, I/We Michael Wallace of West Chester, PA hereby:

Pharmaceuticals Incorporated, having a place of business at 130 Waverly Street, Cambridge, MA 02139-4242, its successors, assigns and legal representatives, all hereinafter referred to as the ASSIGNEE, the entire right, title and interest for the United States and all foreign countries, in and to any and all inventions which are disclosed in the application for United States Letters Patent entitled "PROCESSES FOR PREPARING PYRROLES" filed October 28, 2004 and given serial number 10/978,301 in and to said application and all divisional, continuing, substitute, renewal, revival, reissue, reexamination, extension and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said inventions; including International Patent Application Number PCT/US04/37985 and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said inventions including the right to apply for patent rights in each foreign country and all rights to priority deriving from any of the above-identified application(s) including, but not limited to he following priority application(s):

60/515,283	US	October 28, 2003
Application No.	Country	Filing Date

Agree that said ASSIGNEE may apply for and receive Letters Patent for said inventions in its own name; and when requested, without charge to but at the expense of said ASSIGNEE, agree to carry out in good faith the intent and purpose of this assignment by executing all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said inventions, by executing all rightful oaths, assignments, powers of attorney and other papers, by communicating to said ASSIGNEE all facts known to us relating to said inventions and the history thereof, and generally by doing everything possible which said ASSIGNEE shall consider desirable for aiding in securing and maintaining proper patent protection for said inventions and for vesting title to said inventions and all applications for patents and all patents on said inventions, in said ASSIGNEE.

Hereby request the Commissioner of Patents and Trademarks to issue said Letters Patent to said ASSIGNEE.

Covenant with said ASSIGNEE that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us, and that full right to convey the same as herein expressed is possessed by us.

Attorney Docket No.:	VPI/03-173	US
----------------------	------------	----

IN WITNESS WHEREOF, I hereto set my hand and seal at _	West Chester PA.
this 3 day of January	, 2005.
	Michael Wallace
STATE OF PENNSYLVANIA	01/03/05
COUNTY OF Cheste	,
Before me this day of	, 2005, personally appeared the
above known to me to be the person whose name of sub	oscribed to the foregoing Assignment and
acknowledged that he executed the same as his free act	and deed for the purposes therein
contained.	2010

[Notary's Seal Here]

RECORDED: 01/17/2005

My Commission Expires: // 2/20>

COMMONWEALTH OF PENNSYLVANIA

Notarial Seal John Sloan, Notary Public West Chester Boro, Chester County My Commission Expires Nov. 21, 2007

Member, Pennsylvania Association Of Notaries