

10/30/01



101932328

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof

1. Name of conveying party(ies):  
 Lin Zhi  
 Todd K. Jones  
 James P. Edwards  
 Christopher M. Tegley

Additional name(s) of conveying party(ies) attached?  
 yes  no

2. Name and address of receiving party(ies)  
 Name: Ligand Pharmaceuticals, Inc.  
 Internal Address: \_\_\_\_\_  
 Street Address: 10275 Science Center Drive

10720 U.S. PTO  
 10/022467  
 10/30/01

3. Nature of Conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other \_\_\_\_\_

Effective Date: September 22, 2000  
September 22, 2000  
September 22, 2000  
September 20, 2000

City: San Diego State: CA Zip: 92121

Additional name(s) & address(es) attached?  yes  no

4. Application number(s) or patent number(s):  
 If this document is being filed with a new application, the execution date of the application is:  
 This is a divisional of U. S. Patent Application No. 09/552,033, executed on September 22, 2000, September 22, 2000, September 22, 2000, and September 20, 2000.

A. Patent Application No.(s) \_\_\_\_\_ B. Patent No.(s) \_\_\_\_\_

Additional numbers attached:  yes  no 10/022467

5. Name and address of party to whom correspondence concerning document should be mailed:  
 Name: Cathy A. Kodroff, Esquire  
Howson and Howson  
 Internal Address: \_\_\_\_\_  
 Street Address: Spring House Corporate Center,  
Box 457  
 City: Spring House State: PA Zip: 19477

6. Total number of applications and Patents involved:..... 1

7. Total fee (37 CFR 3.41).....\$ 40.00  
 Enclosed  
 Authorized to be charged to deposit account

8. Deposit account number:  
08-3040  
 (Attach duplicate copy of this page if paying by deposit account)

Do not use this space

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.

Cathy A. Kodroff Cathy A. Kodroff 10/30/01  
 Name of Person Signing Signature Date

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

01/02/2002 LMUELLER 00000134 10022467

Mail documents to be recorded with required coversheet information to: Commissioner of Patents & Trademarks, Box Assignments Washington, DC 20231

01 FC:581

40.00 DP

## ASSIGNMENT

WHEREAS, Andrew Fensome, Puwen Zhang, Marci C. Koko, Lin Zhi, Todd K. Jones, Jay E. Wrobel, James P. Edwards, Edward G. Melenski and Christopher M. Tegley hereinafter referred to as ASSIGNORS, have invented and are the owners of an invention entitled THIO-OXINDOLE DERIVATIVES said invention being fully set forth and described in the application for Letters Patent of the United States which has been prepared in connection with said invention, and which has been filed on April 19, 2000 and given Application Number 09/552,033 and in corresponding International Patent Application No. PCT/US00/11630, which has been filed on May 1, 2000;

WHEREAS, Ligand Pharmaceuticals, Inc., a corporation organized and existing under and by virtue of the laws of the state of California and engaged in business at 10275 Science Center Drive, San Diego, California 92121 hereinafter referred to as ASSIGNEE, is desirous of acquiring the said invention and any and all applications for Letters Patent and any and all Letters Patent of the United States and foreign countries which may be issued therefor;

NOW, THEREFORE, THIS IS TO WITNESS that in consideration of the sum of One Dollar (\$1.00) paid to ASSIGNORS by ASSIGNEE, the receipt of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNORS have sold, assigned and set over, and hereby do sell, assign and set over, unto ASSIGNEE, its successors and assigns, the entire right, title and interest for, to and within the United States and all foreign countries, in and to the aforesaid invention and in and to any application for Letters Patent which ASSIGNEE at its expense may cause to be filed in the United States, under an international treaty, or in any foreign country, and in any United States or foreign patent which may be granted on said invention, including any extensions, divisions, reissues, continuations or continuations-in-part.

And ASSIGNORS hereby authorize and request the Director of the US Patents and Trademarks to issue any and all Letters Patent of the United States to ASSIGNEE, its successors and assigns, as the owner of all right, title and interest therein.

And for said consideration, it is hereby covenanted and agreed that at the request and expense of ASSIGNEE, its successors and assigns, ASSIGNORS will execute any further papers and do such other acts and things as may be necessary and proper to procure Letters Patent for said invention in the United States and in such foreign countries as ASSIGNEE, its successors and assigns may elect, and vest the full title thereto in ASSIGNEE, its successors and assigns.

IN WITNESS WHEREOF, this assignment has been executed on the dates indicated below.

Date 9/22/00

Lin Zhi (SEAL)  
Lin Zhi

Date 9/22/00

Todd K Jones (SEAL)  
Todd K. Jones

Date 22 SEP 00

James P. Edwards (SEAL)  
James P. Edwards

Date 9/20/2000

Christopher M. Tegley (SEAL)  
Christopher M. Tegley

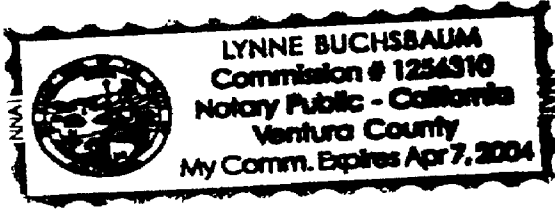
NOTARIAL CERTIFICATE

State of California :  
County of Ventura : ss.  
:

Before me, the undersigned, a notary public, in and for the county aforesaid, on this 20<sup>th</sup> day of September 2000, personally appeared Christopher M. Tegley to me known to be the person described in and who executed the foregoing instrument and who acknowledged the execution of the same as a free act and deed and desired the same to be recorded as such.

(SEAL)

Lynne Buchsbaum  
Notary Public



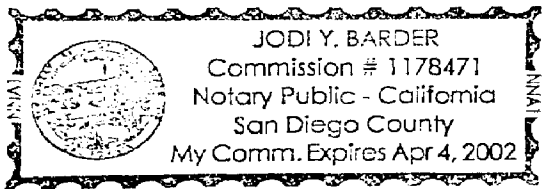
NOTARIAL CERTIFICATE

State of California :  
: ss.  
County of San Diego :

Before me, the undersigned, a notary public, in and for the county aforesaid, on this 22<sup>nd</sup> day of September 2000, personally appeared Jodi K. Jones to me known to be the person described in and who executed the foregoing instrument and who acknowledged the execution of the same as a free act and deed and desired the same to be recorded as such.

(SEAL)

Jodi Y. Barder  
Notary Public



NOTARIAL CERTIFICATE

State of California :  
: ss.  
County of San Diego :

Before me, the undersigned, a notary public, in and for the county aforesaid, on this 22<sup>nd</sup> day of September 2000, personally appeared James P. Edwards to me known to be the person described in and who executed the foregoing instrument and who acknowledged the execution of the same as a free act and deed and desired the same to be recorded as such.

(SEAL)

Jodi Y. Barder  
Notary Public

