503615212 12/16/2015

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT					
NATURE OF CONVEYANCE:	ASSIGNMENT					

CONVEYING PARTY DATA

Name	Execution Date		
LEE R. MORGAN	11/05/2015		

RECEIVING PARTY DATA

Name:	ZIOPHARM ONCOLOGY, INC.
Street Address:	ONE FIRST AVENUE
Internal Address:	PARRIS BUILDING #34, NAVY YARD PLAZA
City:	BOSTON
State/Country:	MASSACHUSETTS
Postal Code:	02129

PROPERTY NUMBERS Total: 1

Property Type	Number						
Application Number:	14328125						

CORRESPONDENCE DATA

Fax Number: (617)526-5000

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: (617) 526-6000

Email: James.Coughlan@wilmerhale.com

Correspondent Name: WILMERHALE - BOSTON

Address Line 1: 60 STATE STREET

Address Line 4: BOSTON, MASSACHUSETTS 02109

ATTORNEY DOCKET NUMBER:	2002677.144US6
NAME OF SUBMITTER:	JAMES F. COUGHLAN
SIGNATURE:	/James F. Coughlan/
DATE SIGNED:	12/16/2015

Total Attachments: 3

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PATENT 503615212 REEL: 037309 FRAME: 0136

Attorney Docket No.: 2002677.00144US6

ASSIGNMENT

WHEREAS, the undersigned, to wit:

Lee R. MORGAN residing at 725 Topaz Street, New Orleans, Louisiana 70124

(hereinafter collectively ASSIGNOR), has made a certain new and useful invention as set forth in an application for United States Letters Patent, entitled:

"SALTS OF ISOPHOSPHORAMIDE MUSTARD AND ANALOGS THEREOF AS ANTI-TUMOR AGENTS"

(a)		which	is being	g filed	herewi	th in	the	United	States	Patent	and	Trademark	Office;	
(b)	x which was filed as U.S. Patent Application						No.		<u> </u>	14/328	125			
		on		July	10, 201	4		,						

AND WHEREAS, ZIOPHARM Oncology, Inc. (hereinafter ASSIGNEE), a corporation organized and existing under the laws of the Commonwealth/State of Delaware, and having its principal place of business at One First Avenue, Parris Building #34, Navy Yard Plaza, Boston, Massachusetts 02129, is desirous of acquiring the entire right, title, and interest in and to said invention and any and all patents that may be obtained therefor, and in and to said application and any and all patents that may issue therefrom;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNOR does hereby sell, assign, transfer, and set over unto said ASSIGNEE, its successors, assigns, and legal representatives, all right, title, and interest in and to said invention throughout the world, and any and all patents of the United States and foreign countries that may be obtained therefor, including the right to sue for past infringement and obtain past damages, and in and to said application, including any and all continuations, continuations-in-part, divisionals, reissues, re-examinations, substitutions, and extensions thereof, and any and all patents of the United States and foreign countries that may issue therefrom, such right, title, and interest including the right to file applications and obtain patents, utility models, industrial models, and designs for said invention in the name of said ASSIGNEE, its successors, assigns, and legal representatives, throughout the world, including all rights of priority, all rights to publish cautionary notices reserving ownership of said invention, and all rights to register said invention in appropriate registries;

ASSIGNOR also does hereby covenant that he has the full right to convey the entire right, title, and interest herein assigned, and that he has not and will not execute any agreement in conflict herewith;

ASSIGNOR also does hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all Letters Patent of the United States on said invention or resulting from said application, including any continuations, continuations-in-part, divisions, reissues, re-examinations, substitutions, and extensions thereof, to said ASSIGNEE, its

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successors, assigns, and legal representatives as the ASSIGNEE of the entire right, title, and interest herein assigned;

ASSIGNOR also does hereby agree to, at any time, upon request, without further or additional consideration but at the expense of said ASSIGNEE, its successors, assigns, or legal representatives, execute and deliver any and all papers, make all rightful oaths, and do all lawful acts that may be necessary or desirable to perfect the entire right, title, and interest in said application, including any and all continuations, continuations-in-part, divisionals, reissues, re-examinations, substitutions, and extensions thereof, and any and all patents of the United States and foreign countries that may issue therefrom said ASSIGNEE, its successors, assigns, and legal representatives, and generally do everything possible to vest the entire right, title, and interest herein assigned in said ASSIGNEE, its successors, assigns, and legal representatives;

ASSIGNOR also does hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

ZIOPHARM ONCOLOGY, INC.

All practitioners at Customer Number 102753.

This ASSIGNMENT is effective as of July 10, 2014

Attorney Docket No.: 2002677.00144US6

Date

Witness:

Dare

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PATENT REEL: 037309 FRAME: 0139