502590273 12/04/2013

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT2636458

SUBMISSION TYPE: NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ANTONIO J.M. BARBOSA	11/12/2013
PETER A. BLOMGREN	12/01/2013
KEVIN S. CURRIE	11/13/2013
RAVI KRISHNAMOORTHY	11/22/2013
JEFFREY E. KROPF	11/13/2013
SEUNG H. LEE	11/13/2013
SCOTT A. MITCHELL	11/13/2013
AARON C. SCHMITT	11/13/2013
JIANJUN XU	11/13/2013
HONGLU ZHANG	11/14/2013
ZHONGDONG ZHAO	11/13/2013
PAVEL ZHICHKIN	11/21/2013

RECEIVING PARTY DATA

Name:	GILEAD CONNECTICUT, INC.
Street Address:	333 LAKESIDE DRIVE
City:	FOSTER CITY
State/Country:	CALIFORNIA
Postal Code:	94404

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14059626

CORRESPONDENCE DATA

Fax Number: (703)243-6410 Phone: 7032436333

Email: LAlexander@mwzb.com

Correspondence will be sent via US Mail when the email attempt is unsuccessful.

PATENT

REEL: 031714 FRAME: 0371

Correspondent Name: MILLEN, WHITE, ZELANO & BRANIGAN, P.C. Address Line 1: 2200 CLARENDON BOULEVARD Address Line 4: ARLINGTON, VIRGINIA 22201	
ATTORNEY DOCKET NUMBER:	CGIPHARM-0073-D01
NAME OF SUBMITTER:	RYAN R. POOL
Signature:	/Ryan R. Pool/
Date:	12/04/2013
	This document serves as an Oath/Declaration (37 CFR 1.63).
Total Attachments: 12 source=Combined Declaration and Assignments - CGIPHARM-0073-D01#page1.tif source=Combined Declaration and Assignments - CGIPHARM-0073-D01#page2.tif source=Combined Declaration and Assignments - CGIPHARM-0073-D01#page3.tif source=Combined Declaration and Assignments - CGIPHARM-0073-D01#page4.tif source=Combined Declaration and Assignments - CGIPHARM-0073-D01#page5.tif source=Combined Declaration and Assignments - CGIPHARM-0073-D01#page6.tif source=Combined Declaration and Assignments - CGIPHARM-0073-D01#page7.tif source=Combined Declaration and Assignments - CGIPHARM-0073-D01#page8.tif source=Combined Declaration and Assignments - CGIPHARM-0073-D01#page9.tif source=Combined Declaration and Assignments - CGIPHARM-0073-D01#page10.tif source=Combined Declaration and Assignments - CGIPHARM-0073-D01#page11.tif source=Combined Declaration and Assignments - CGIPHARM-0073-D01#page12.tif	

Title of Invention	PYRIDONE AND AZA-PYRIDONE COMPOUNDS AND METHODS OF USE	
As the below nam	sed inventor, I hereby declare that:	
This declaration	The attached application, or	
is directed to:	United States Application or PCT International Application number 14/059,626 filed on 10/22/13	
The above-identif	first application was made or authorized to be made by me.	
I believe that I an	n the original inventor or an original joint inventor of a claimed invention in the application.	
all patent(s) listed	GILEAD CONNECTICUT, INC. 333 LAKESIDE DRIVE FOSTER CITY, CALIFORNIA 94404 rd to as the ASSIGNEE, is desirous of acquiring the entire right, title, and interest in and to said invention and t shove, including any and all earlier priority rights (U.S. and foreign), divisions and continuations thereof, all renewals, reissues, reexaminations and extensions thereof.	
ASSIGNOR here right, title and int and all Letters Pathersof, and in an to accrue with resinvention, SAID including any and which may be greeright to sue for dearising from or at renewals, reissue representatives, in	WITNESSETH that for good and valuable consideration, the receipt whereof is hereby acknowledged, by assigns, sells, and transfers to ASSIGNEE, its assigns and legal representatives, the entire and exclusive erest in and to said invention and patent(s), including any and all divisions and continuations thereof, and any dent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions of to any and all U.S. (including provisional) or foreign priority and/or convention rights or benefits according or spect to the filing or assuming of patents in the United States and/or any countries foreign thereto concerning said ASSIGNEE, its assigns and legal representatives to have, hold, exercise, and enjoy said invention and patent, it all earlies priority rights (U.S. and foreign), divisions and continuations thereof, any and all Letters Patent anted therefor, including any and all renewals, reissues, reexaminations and extensions thereof, including the amages occurring before the assignment, with all the rights, powers, privileges and advantages in anywise opertaining thereto, for and during the term of terms of any and all such Letters Patent, including any and all a reexaminations and extensions thereof, for the use and benefit of ASSIGNEE and its assigns and legal in as ample and beneficial a manner to all intents and purposes as the ASSIGNOR might or could have held and a lift the assignment had not been made.	
and foreign coun	ASSIGNOR hereby agrees to execute all papers that may be necessary to flie applications in the United States tries for said invention and to assign the same to said ASSIGNEE, its assigns and legal representatives and to r	
AND ASSIGNOR authorizes and requests the Commissioner of Patents and Trademarks to issue a Letters Patent on any and all divisions and continuations thereof, to ASSIGNEE, its assigns and legal representatives, in accordance herewith.		
The undersigned hereby grant(s) the law firm of Millen, White, Zolano & Branigan, P.C. the power to insert on this assignment information which may be necessary or desirable in order for the United States Patent and Trademark Office to properly record this document.		
	IN TESTIMONY WHEREOF this assignment is executed by ASSIGNOR	
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.		
}	OF INVENTOR	
Inventor:	Antonio J.M. BARBOSA Dete: 1/1/151/15	
Signature:	WX MADELLE	

Millen, White, Zelano & Branigan, P.C.
Attorneys at Law
Arlington Courthouse Plaza
2200 Clarenion Boulevard | Suite 1400 | Arlington VA 22201
Telephone: 703.243.6333 | Fax: 703.243.6410
Email: mail@rwye.com

Effective, Soptember 16, 2012

Title of Invention	PYRIDONE AND AZA-PYRIDONE COMPOUNDS AND METHODS OF USE	
As the below named inventor, I hereby declare that:		
This declaration	The attached application, or	
is directed to:	United States Application of PCT International Application number 14/059.626 filed on 10/22/13	
The above-identi	fied application was made or authorized to be made by me.	
I believe that I an	the original inventor or an original joint inventor of a claimed invention in the application.	
GILEAD CONNECTICUT, INC. 333 LAKESIDE DRIVE FOSTER CITY, CALIFORNIA 94404 hereinafter referred to as the ASSIGNEE, is desirous of acquiring the entire right, title, and interest in and to said invention and all patent(s) listed above, including any and all earlier priority rights (U.S. and foreign), divisions and continuations thereof, including any and all renewals, reissues, reexaminations and extensions thereof.		
NOW, WITNESSETH that for good and valuable consideration, the receipt whereof is hereby acknowledged, ASSIGNOR hereby assigns, sells, and transfers to ASSIGNEE, its assigns and legal representatives, the entire and exclusive right, title and interest in and to said invention and patent(s), including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions thereof, and in and to any and all U.S. (including provisional) or foreign priority and/or convention rights or benefits accruing or to accrue with respect to the filing or securing of patents in the United States and/or any countries foreign thereto concerning said invention, SAID ASSIGNEE, its assigns and legal representatives to have, hold, exercise, and enjoy said invention and patent, including any and all earlier priority rights (U.S. and foreign), divisions and continuations thereof, any and all Letters Patent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions thereof, including the right to sue for damages occurring before the assignment, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such Letters Patent, including any and all renewals, reissues, reexaminations and extensions thereof, for the use and benefit of ASSIGNEE and its assigns and legal representatives, in as ample and beneficial a manner to all intents and purposes as the ASSIGNOR might or could have held and enjoyed the same, if the assignment had not been made.		
AND ASSIGNOR hereby agrees to execute all papers that may be necessary to file applications in the United States and foreign countries for said invention and to assign the same to said ASSIGNEE, its assigns and legal representatives and to execute any other papers that may be needed in connection with securing Letters Patents thereon.		
AND ASSIGNOR authorizes and requests the Commissioner of Patents and Trademarks to issue a Letters Patent on any and all divisions and continuations thereof, to ASSIGNEE, its assigns and legal representatives, in accordance herewith.		
The undersigned hereby grant(s) the law firm of Millen, White, Zelano & Branigan, P.C. the power to insert on this assignment information which may be necessary or desirable in order for the United States Patent and Trademark Office to properly record this document.		
IN TESTIMONY WHEREOF this assignment is executed by ASSIGNOR		
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.		
1	OF INVENTOR Peter A. BLOMGREN Date: (2), 2007	
Signature:		

Millen, Weite, Zelano & Branigan, P.C. Attorneys at Law Arlington Courthouse Plaza 2200 Clarendon Boulevard | Suite 1400 | Arlington VA 22201 Telephone: 703.243.6333 | Fax: 703.243.6410 Email: mail@mwzb.com

Effective, September 16, 2012

Title of PYRIDONE AND AZA-PYRIDONE COMPOUNDS AND METHODS OF USE	
Invention	
As the below named inventor, I hereby declare that:	
· ,	
This declaration The attached application, or	
is directed to: United States Application or PCT International Application number 14/059.626 file 14/059.626 file	ed on 10/22/13
The above-identified application was made or authorized to be made by me.	
I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.	
AND WHEREAS GILEAD CONNECTICUT, INC. 333 LAKESIDE DRIVE FOSTER CITY, CALIFORNIA 94404 hereinafter referred to as the ASSIGNEE, is desirans of sequiring the entire right, title, and interest in and to sail patent(s) listed above, including any and all earlier priority rights (U.S. and foreign), divisions and continuationly including any and all renewals, reissues, reexaminations and extensions thereof.	ions thereof,
NOW, WITNESSETH that for good and valuable consideration, the receipt whereof is hereby acknown ASSIGNOR hereby assigns, sells, and transfers to ASSIGNEE, its assigns and legal representatives, the entire right, title and interest in and to said invention and patent(s), including any and all divisions and continuations and all Letters Patent which may be granted therefor, including any and all renewals, reissues, reexaminations at thereof, and in and to any and all U.S. (including provisional) or foreign priority and/or convention rights or be to accrue with respect to the filling or securing of patents in the United States and/or any countries foreign there invention, SAID ASSIGNEE, its assigns and legal representatives to have, hold, exercise, and enjoy said inventiculting any and all earlier priority rights (U.S. and foreign), divisions and continuations thereof, any and all I which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions thereof right to sue for damages occurring before the assignment, with all the rights, powers, privileges and advantages arising from or appertaining thereto, for and during the term or terms of any and all such Letters Patent, including renewals, reissues, reexaminations and extensions thereof, for the use and benefit of ASSIGNEE and its assign representatives, in as ample and beneficial a manner to all intents and purposes as the ASSIGNOR might or co-enjoyed the same, if the assignment had not been made.	and exclusive hereof, and any and extensions nefits accruing or to concerning said tion and patent, etters Patent f, including the in anywise ing any and all s and legal
AND ASSIGNOR hereby agrees to execute all papers that may be necessary to file applications in the and foreign countries for said invention and to assign the same to said ASSIGNEE, its assigns and legal represence execute any other papers that may be needed in connection with securing Letters Patents thereon.	e United States entatives and to
AND ASSIGNOR authorizes and requests the Commissioner of Patents and Trademarks to issue a L any and all divisions and continuations thereof, to ASSIGNEE, its assigns and legal representatives, in accorde	etters Patent on ance herewith.
The undersigned hereby grant(s) the law firm of Millen, White, Zelano & Branigan, P.C. the power to insert on this assignment information which may be necessary or desirable in order for the United States Patent and Trademark Office to properly record this document.	
IN TESTIMONY WHEREOF this assignment is executed by ASSIGNOR	
I hereby acknowledge that any willful false statement made in this declaration is punishable under 1 fine or imprisonment of not more than five (5) years, or both.	8 U.S.C. 1001 by
LEGAL NAME OF INVENTOR Inventor: Kevin S. CURROR: Date: 1/13//3.	:
Signature	: :

Millen, White, Zelano & Branigan, P.C.
Attorneys at Law
Arlington Courthouse Plaza
2200 Clarendon Boulevard | Suite 1400 | Arlington VA 22201
Telephone: 703.243.6333 | Fax: 703.243.6410
Email: mail@mwze.com

Effective, September 16, 2012

Title of	PYRIDONE AND AZA-PYRIDONE COMPOUNDS AND METHODS OF USE
Invention	
As the below non	ned inventor, I hereby declare that:
	growing .
This declaration	•
is directed to:	United States Application or PCT International Application number 14/059.626 filed on 10/22/13
	fied application was made or authorized to be made by me.
I believe that I an	n the original inventor or an original joint inventor of a claimed invention in the application.
all patent(s) listed including any and	GILEAD CONNECTICUT, INC. 333 LAKESIDE DRIVE FOSTER CITY, CALIFORNIA 94404 ed to as the ASSIGNEE, is desirous of acquiring the entire right, title, and interest in and to said invention and d above, including any and all earlier priority rights (U.S. and foreign), divisions and continuations thereof, d all renewals, reissues, reexaminations and extensions thereof.
ASSIGNOR here right, title and in and all Letters Pathereof, and in as to accrue with reinvention, SAID including any an which may be gright to sue for darising from or a renewals, reissue representatives,	WITNESSETH that for good and valuable consideration, the receipt whereof is hereby acknowledged, by assigns, sells, and transfers to ASSIGNEE, its assigns and legal representatives, the entire and exclusive terest in and to said invention and patent(s), including any and all divisions and continuations thereof, and any attent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions and to any and all U.S. (including provisional) or foreign priority and/or convention rights or benefits accraing or spect to the filing or securing of patents in the United States and/or any countries foreign thereto concerning said ASSIGNEE, its assigns and legal representatives to have, hold, exercise, and enjoy said invention and patent, dall earlier priority rights (U.S. and foreign), divisions and continuations thereof, any and all Letters Patent anted therefor, including any and all renewals, reissues, reexaminations and extensions thereof, including the amages occurring before the assignment, with all the rights, powers, privileges and advantages in anywise appetraining thereto, for and during the term or terms of any and all such Letters Patent, including any and all est, reexaminations and extensions thereof, for the use and benefit of ASSIGNEE and its assigns and legal in as ample and beneficial a manner to all intents and purposes as the ASSIGNOR might or could have held and e, if the assignment had not been made.
and foreign cour	ASSIGNOR hereby agrees to execute all papers that may be necessary to file applications in the United States arries for said invention and to assign the same to said ASSIGNEE, its assigns and legal representatives and to proper that may be needed in connection with securing Letters Patents thereon.
AND any and all divis	ASSIGNOR authorizes and requests the Commissioner of Patents and Trademarks to issue a Letters Patent on ions and continuations thereof, to ASSIGNEE, its assigns and legal representatives, in accordance herewith.
The ur assignment infor properly record	ndersigned hereby grant(s) the law firm of Millen, White, Zelano & Branigan, P.C. the power to insert on this mation which may be necessary or desirable in order for the United States Patent and Trademark Office to this document.
	IN TESTIMONY WHEREOF this assignment is executed by ASSIGNOR
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.	
	AND KNOPPONYSK
Iddial NAME	OF INVENTOR Ravi KRISHNAMOORTHY Date: ///22/2013
Signature:	

Millen, White, Zelano & Branigan, P.C.
Attorneys at Law
Arlington Courthouse Plaza
2200 Clarendon Boulevard | Suite 1400 | Arlington VA 22201
Telephone: 703.243.6333 | Fax: 703.243.6410
Email; mail@mwzb.com

Effective, September 16, 2012

Title of	PYRIDONE AND AZA-PYRIDONE COMPOUNDS AND METHODS OF USE	
Invention		
As the below nam	ned inventor, I hereby declare that:	
This declaration	·	
is directed to:	United States Application or PCT International Application number 14/059.626 filed on 10/22/13	
The above-identif	fied application was made or authorized to be made by me.	
I believe that I an	n the original inventor or an original joint inventor of a claimed invention in the application.	
all patent(s) listed including any and NOW, ASSIGNOR here right, title and in and all Letters Pathereof, and in art to accrue with reinvention, SAID	GREAD CONNECTICUT, INC. 333 LAKESIDE DRIVE FOSTER CITY, CALIFORNIA 94404 ed to as the ASSIGNEE, is desirous of acquiring the entire right, title, and interest in and to said invention and dabove, including any and all earlier priority rights (U.S. and foreign), divisions and continuations thereof, dail renewals, reissues, reexaminations and extensions thereof. WITNESSETH that for good and valuable consideration, the receipt whereof is hereby acknowledged, etcest in and to said invention and patent(s), including any and all divisions and continuations thereof, and any stent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions and to any and all U.S. (including provisional) or foreign priority and/or convention rights or benefits accruing or spect to the filting or securing of patents in the United States and/or any countries foreign thereto concerning said ASSIGNEE, its assigns and legal representatives to have, hold, exercise, and enjoy said invention and patent,	
including any and all earlier priority rights (U.S. and foreign), divisions and continuations thereof, any and all Letters Patent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions thereof, including the right to sue for damages occurring before the assignment, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such Letters Patent, including any and all renewals, reissues, reexaminations and extensions thereof, for the use and benefit of ASSIGNEE and its assigns and legal representatives, in as ample and beneficial a manner to all intents and purposes as the ASSIGNOR might or could have held and enjoyed the same, if the assignment had not been made.		
and foreign cour	ASSIGNOR hereby agrees to execute all papers that may be necessary to file applications in the United States stries for said invention and to assign the same to said ASSIGNEE, its assigns and legal representatives and to be papers that may be needed in connection with securing Letters Patents thereon.	
AND any and all divis	ASSIGNOR authorizes and requests the Commissioner of Patents and Trademarks to issue a Letters Patent on sions and continuations thereof, to ASSIGNEE, its assigns and legal representatives, in accordance herewith.	
The undersigned hereby grant(s) the law firm of Millen, White, Zelano & Branigan, P.C. the power to insert on this assignment information which may be necessary or desirable in order for the United States Patent and Trademark Office to properly record this document.		
-	IN TESTIMONY WHEREOF this assignment is executed by ASSIGNOR	
	by acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by ment of not more than five (5) years, or both.	
	OF INVENTOR	
Inventor:	Jeffrey E. K.ROPF Date: 1113/13	
Signature:	WILLY	

Millen, White, Zelano & Branigan, P.C.
Attorneys at Law
Arlington Courthouse Plaza
2200 Clarendon Boulevard | Suite 1400 | Arlington VA 22201
Telephone: 703.243.6333 | Fax: 703.243.6410
Email: mail@mwzb.com

Effective, September 16, 2012

Title of Invention	PYRIDONE AND AZA-PYRIDONE COMPOUNDS AND METHODS OF USE	
As the below nan	ned inventor, I hereby declare that:	
This declaration	The attached application, or	
is directed to:	United States Application or PCT International Application number 14/059.626 filed on 10/22/13	
The above-identi	fied application was made or authorized to be made by me.	
I believe that I ar	n the original inventor or an original joint inventor of a claimed invention in the application.	
all patent(s) liste	S GREAD CONNECTICUT, INC. 333 LAKESIDE DRIVE FOSTER CITY, CALIFORNIA 94404 ed to as the ASSIGNEE, is desirous of sugairing the entire right, title, and interest in and to said invention and d above, including any and all earlier priority rights (U.S. and foreign), divisions and continuations thereof, d all renewals, reissues, reexaminations and extensions thereof.	
ASSIGNOR here right, title and in and all Letters Pethereof, and in at to accrue with reinvention, SAID including any an which may be gright to sue for darising from or a renewals, reissue representatives,	WITNESSETH that for good and valuable consideration, the receipt whereof is hereby acknowledged, eby assigns, sells, and transfers to ASSIGNEE, its assigns and legal representatives, the entire and exclusive terest in and to said invention and patent(s), including any and all divisions and continuations thereof, and any anetent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions and to any and all U.S. (including provisional) or foreign priority and/or convention rights or benefits accruing or spect to the filing or securing of patents in the United States and/or any countries foreign thereto concerning said ASSIGNEE, its assigns and legal representatives to have, hold, exercise, and enjoy said invention and patent, and all earlier priority rights (U.S. and foreign), divisions and continuations thereof, any and all Letters Patent ranted therefor, including any and all renewals, reissues, reexaminations and extensions thereof, including the lamages occurring before the assignment, with all the rights, powers, privileges and advantages in anywise appertaining thereto, for and during the term or terms of any and all such Letters Patent, including any and all es, reexaminations and extensions thereof, for the use and benefit of ASSIGNEE and its assigns and legal in as ample and beneficial a manner to all intents and purposes as the ASSIGNOR might or could have held and e, if the assignment had not been made.	
and foreign com	ASSIGNOR hereby agrees to execute all papers that may be necessary to file applications in the United States ntries for said invention and to assign the same to said ASSIGNEE, its assigns and legal representatives and to er papers that may be needed in connection with securing Letters Patents thereon.	
AND any and all divis	ASSIGNOR authorizes and requests the Commissioner of Patents and Trademarks to issue a Letters Patent on sions and continuations thereof, to ASSIGNEE, its assigns and legal representatives, in accordance herewith.	
The undersigned hereby grant(s) the law firm of Millen, White, Zelano & Branigan, P.C. the power to insert on this assignment information which may be necessary or desirable in order for the United States Patent and Trademark Office to properly record this document.		
	IN TESTIMONY WHEREOF this assignment is executed by ASSIGNOR	
	by acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by ament of not more than five (5) years, or both.	
LEGAL NAME	Soung H. LEE Date: 11/13/13	
Signature:		

Millen, White, Zelano & Branigan, P.C. Attorneys at Law Arlington Courthouse Plaza 2200 Clarendon Boulevard | Suite 1400 | Arlington VA 22201 Telephone: 703.243.6333 | Fax: 703.243.6410 Email: mail@mwzb.com

Effective, September 16, 2012

Title of Invention	PYRIDONE AND AZA-PYRIDONE COMPOUNDS AND METHODS OF USE	
As the below nan	ned inventor, I hereby declare that:	
This declaration	The attached application, or	
is directed to:	United States Application or PCT International Application number 14/059,626 filed on 10/22/13	
	ied application was made or authorized to be made by me.	
I believe that I an	the original inventor or an original joint inventor of a claimed invention in the application.	
all patent(s) listed	GILEAD CONNECTICUT, INC. 333 LAKESIDE DRIVE FOSTER CITY, CALIFORNIA 94404 ed to as the ASSIGNEE, is desirous of acquiring the entire right, title, and interest in and to said invention and above, including any and all earlier priority rights (U.S. and foreign), divisions and continuations thereof, all renewals, reissues, reexaminations and extensions thereof.	
ASSIGNOR here right, title and int and all Letters Pa thereof, and in an to accrue with resinvention, SAID including any and which may be gravight to sue for de arising from or a renewals, reissue representatives, in	WITNESSETH that for good and valuable consideration, the receipt whereof is hereby acknowledged, by assigns, sells, and transfers to ASSIGNEE, its assigns and legal representatives, the entire and exclusive erest in and to said invention and patent(s), including any and all divisions and continuations thereof, and any tent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions d to any and all U.S. (including provisional) or foreign priority and/or convention rights or benefits accruing or spect to the filing or securing of patents in the United States and/or any countries foreign thereto concerning said ASSIGNEE, its assigns and legal representatives to have, hold, exercise, and enjoy said invention and patent, I all earlier priority rights (U.S. and foreign), divisions and continuations thereof, any and all Letters Patent unted therefor, including any and all renewals, reissues, reexaminations and extensions thereof, including the tamages occurring before the assignment, with all the rights, powers, privileges and advantages in anywise operialining thereto, for and during the term or terms of any and all such Letters Patent, including any and all s, reexaminations and extensions thereof, for the use and benefit of ASSIGNEE and its assigns and legal in as ample and beneficial a manner to all intents and purposes as the ASSIGNOR might or could have held and if the assignment had not been made.	
and foreign coun	ASSIGNOR hereby agrees to execute all papers that may be necessary to file applications in the United States tries for said invention and to assign the same to said ASSIGNEE, its assigns and legal representatives and to papers that may be needed in connection with securing Letters Patents thereon.	
AND A any and all divisi	ASSIGNOR authorizes and requests the Commissioner of Patents and Trademarks to issue a Letters Patent on one and continuations thereof, to ASSIGNEE, its assigns and legal representatives, in accordance herewith.	
The undersigned hereby grant(s) the law firm of Millen, White, Zelano & Branigan, P.C. the power to insert on this assignment information which may be necessary or desirable in order for the United States Patent and Trademark Office to properly record this document.		
	IN TESTIMONY WHEREOF this assignment is executed by ASSIGNOR	
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.		
LEGAL NAME Inventor:	OF INVENTOR SCONIAL MITCHELL Date: 11—13—13	
Signature:	Nul Alata 7	

Millen, White, Zelano & Branigan, P.C. Attorneys at Law Arlington Courthouse Plaza 2200 Clarendon Boulevard | Suite 1400 | Arlington VA 22201 Telephone: 703.243.6333 | Fax: 703.243.6410

EMAIL: MAIL@MWZ8.COM

Effective, September 16, 2012

Title of	PYRIDONE AND AZA-PYRIDONE COMPOUNDS AND METHODS OF USE	
Invention		
As the below nan	red inventor, I hereby declare that:	
This declaration	The attached application, or	
is directed to:	United States Application or PCT International Application number 14/059.626 filed on 10/22/13	
The above-identi	fied application was made or authorized to be made by me.	
I believe that I an	n the original inventor or an original joint inventor of a claimed invention in the application.	
AND WHEREAS GILEAD CONNECTICUT, INC. 333 LAKESIDE DRIVE FOSTER CITY, CALIFORNIA 94404 hereinafter referred to as the ASSIGNEE, is desirous of acquiring the entire right, title, and interest in and to said invention and all patent(s) listed above, including any and all earlier priority rights (U.S. and foreign), divisions and continuations thereof, including any and all renewals, reissues, reexaminations and extensions thereof.		
NOW, WITNESSETH that for good and valuable consideration, the receipt whereof is hereby acknowledged, ASSIGNOR hereby assigns, sells, and transfers to ASSIGNEE, its assigns and legal representatives, the entire and exclusive right, title and interest in and to said invention and patent(s), including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions thereof, and in and to any and all U.S. (including provisional) or foreign priority and/or convention rights or benefits accruing or to accrue with respect to the filling or securing of patents in the United States and/or any countries foreign thereto concerning said invention, SAID ASSIGNEE, its assigns and legal representatives to have, hold, exercise, and enjoy said invention and patent, including any and all earlier priority rights (U.S. and foreign), divisions and continuations thereof, any and all Letters Patent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions thereof, including the right to sue for damages occurring before the assignment, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such Letters Patent, including any and all renewals, reissues, reexaminations and extensions thereof, for the use and benefit of ASSIGNEE and its assigns and legal representatives, in as ample and beneficial a manner to all intents and purposes as the ASSIGNOR might or could have held and enjoyed the same, if the assignment had not been made.		
AND ASSIGNOR hereby agrees to execute all papers that may be necessary to file applications in the United States and foreign countries for said invention and to assign the same to said ASSIGNEE, its assigns and legal representatives and to execute any other papers that may be needed in connection with securing Letters Patents thereon.		
AND ASSIGNOR authorizes and requests the Commissioner of Patents and Trademarks to issue a Letters Patent on any and all divisions and continuations thereof, to ASSIGNEE, its assigns and legal representatives, in accordance herewith.		
The undersigned hereby grant(s) the law firm of Millen, White, Zelano & Branigan, P.C. the power to insert on this assignment information which may be necessary or desirable in order for the United States Patent and Trademark Office to properly record this document.		
	IN TESTIMONY WHEREOF this assignment is executed by ASSIGNOR	
I hereby acknowledge that any willful faise statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.		
LEGAL NAME	OF INVENTOR	
Inventor:	Aaron C. SCHMITT Date: 1//3/20/3	
Signature:		

Millen, White, Zelano & Branigan, P.C.
Attorneys at Law
Arlington Courthouse Plaza
2200 Clarendon Boulevard | Suite 1400 | Arlington VA 22201
Telephone: 703.243.6333 | Fax: 703.243.6410
Email: mail@mwzb.com

Effective, September 16, 2012

Title of	PYRIDONE AND AZA-PYRIDONE COMPOUNDS AND METHODS OF USE		
Invention			
As the below nam	ned inventor, I hereby declare that:		
This declaration	The attached application, or		
is directed to:	United States Application or PCT International Application number 14/059.626 filed on 10/22/13		
The above-identif	fied application was made or authorized to be made by me.		
I believe that I am	n the original inventor or an original joint inventor of a claimed invention in the application.		
all patent(s) listed	GILEAD CONNECTICUT, INC. 333 LAKESIDE DRIVE FOSTER CITY, CALIFORNIA 94404 ed to as the ASSIGNEE, is desirous of acquiring the entire right, title, and interest in and to said invention and d above, including any and all earlier priority rights (U.S. and foreign), divisions and continuations thereof, d all renewals, reissues, reexaminations and extensions thereof.		
NOW, WITNESSETH that for good and valuable consideration, the receipt whereof is hereby acknowledged, ASSIGNOR hereby assigns, sells, and transfers to ASSIGNEE, its assigns and legal representatives, the entire and exclusive right, title and interest in and to said invention and patent(s), including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions thereof, and in and to any and all U.S. (including provisional) or foreign priority and/or convention rights or benefits accruing or to accrue with respect to the filing or securing of patents in the United States and/or any countries foreign thereto concerning said invention, SAID ASSIGNEE, its assigns and legal representatives to have, hold, exercise, and enjoy said invention and patent, including any and all earlier priority rights (U.S. and foreign), divisions and continuations thereof, any and all Letters Patent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions thereof, including the right to sue for damages occurring before the assignment, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such Letters Patent, including any and all renewals, reissues, reexaminations and extensions thereof, for the use and benefit of ASSIGNEE and its assigns and legal representatives, in as ample and beneficial a manner to all intents and purposes as the ASSIGNOR might or could have held and enjoyed the same, if the assignment had not been made.			
AND ASSIGNOR hereby agrees to execute all papers that may be necessary to file applications in the United States and foreign countries for said invention and to assign the same to said ASSIGNEE, its assigns and legal representatives and to execute any other papers that may be needed in connection with securing Letters Patents thereon.			
AND ASSIGNOR authorizes and requests the Commissioner of Patents and Trademarks to issue a Letters Patent on any and all divisions and continuations thereof, to ASSIGNEE, its assigns and legal representatives, in accordance herewith.			
The undersigned hereby grant(s) the law firm of Millen, White, Zelano & Branigan, P.C. the power to insert on this assignment information which may be necessary or desirable in order for the United States Patent and Trademark Office to properly record this document.			
IN TESTIMONY WHEREOF this assignment is executed by ASSIGNOR			
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.			
	OF INVENTOR Forming VII Date: 11/13/18		
Inventor:	Jianjun XU Date: 11/13/13		
Signature:			

Millen, White, Zelano & Branigan, P.C.
Attorneys at Law
Arlington Courthouse Plaza
2200 Clarendon Boulevard | Suite 1400 | Arlington VA 22201
Telephone: 703.243.6333 | Fax: 703.243.6410
Email: Mail@mwzb.com

Effective, September 16, 2012

Invention PYKIDONE AND AZA-PYKIDONE COMPOUNDS AND METHODS OF USE		
As the below maned inventor, Likereby declare that:		
This declaration The attached application, or		
is directed to: United States Application or PCT International Application number 14/059.626 filed on 10/22/13		
The above-identified application was made or authorized to be made by me,		
I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.		
AND WHEREAS GILEAD CONNECTICUT, INC. 333 LAKESIDE DRIVE FOSTER CITY, CALIFORNIA 94404 hereinafter referred to as the ASSIGNEE, is desirous of acquiring the entire right, title, and interest in and to said invention and all patent(s) listed above, including any and all earlier priority rights (U.S. and foreign), divisions and continuations thereof, including any and all renewals, ressues, reexaminations and extensions thereof.		
NOW, WITNESSETH that for good and valuable consideration, the receipt whereof is hereby acknowledged, ASSIGNOR hereby assigns, sells, and transfers to ASSIGNEE, its assigns and legal representatives, the entire and exclusive right, title and interest in and to said invention and patent(s), including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor, including any and all irenewals, reissues, reexaminations and extensions thereof, and in and to any and all U.S. (including provisional) or foreign priority and/or convention rights or benefits accruing or to accrue with respect to the filing or securing of patents in the United States and/or any countries foreign thereto concerning said invention, SAID ASSIGNEE, its assigns and legal representatives to have, hold, exercise, and enjoy said invention and patent, including any and all carlier priority rights (U.S. and foreign), divisions and continuations thereof, any and all Letters Patent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions thereof, including the right to sue for damages occurring before the assignment, with all the rights, powers, privileges and advantages in anywise arising from or apportaining thereto, for and during the term or terms of any and all such Letters Patent, including any and all renewals, reissues, reexaminations and extensions thereof, for the use and benefit of ASSIGNEE and its assigns and legal representatives, in as ample and beneficial a manner to all intents and purposes as the ASSIGNOR might or could have held and enjoyed the same, if the assignment had not been made.		
AND ASSIGNOR hereby agrees to execute all papers that may be necessary to file applications in the United States and foreign countries for said invention and to assign the same to said ASSIGNEE, its assigns and legal representatives and to execute any other papers that may be needed in connection with securing Letters Patents thereon.		
AND ASSIGNOR authorizes and requests the Commissioner of Patents and Trademarks to issue a Letters Patent on any and all divisions and continuations thereof, to ASSIGNEE, its assigns and legal representatives, in accordance herewith.		
The undersigned hereby grant(s) the law firm of Millen, White, Zelano & Branigan, P.C. the power to insert on this assignment information which may be necessary or desirable in order for the United States Patent and Trademark Office to properly record this document.		
IN TESTIMONY WHEREOF this assignment is executed by ASSIGNOR		
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.		
LEGAL NAME OF INVENTOR		
Inventor: Hangiu ZHANG Date: 11/14/2013		
Signature:		

Millen, White, Zelano & Branigan, P.C. Attorneys at Law Arlington Courthouse Plaza 2200 Clarendon Boulevard | Suite 1400 | Arlington VA 22201 Telephone: 703.243 6333 | Fax: 703.243.6410 Email: mail@mwzb.com

Effective, September 16, 2012

Title of Invention	PYRIDONE AND AZA-PYRIDONE COMPOUNDS AND METHODS OF USE	
As the below nan	ned inventor, Thereby declare that:	
This declaration	The attached application, or	
is directed to:	United States Application or PCT International Application number 14/059,626 filed on 10/22/13	
The above-identit	fied application was made or authorized to be made by me.	
I believe that I an	n the original inventor or an original joint inventor of a claimed invention in the application.	
all patent(s) listed	GILEAD CONNECTICUT, INC. 333 LAKESIDE DRIVE FOSTER CITY, CALIFORNIA 94404 red to as the ASSIGNEE, is desirous of acquiring the entire right, title, and interest in and to said invention and d above, including any and all earlier priority rights (U.S. and foreign), divisions and continuations thereof, d all renewals, reissues, reexaminations and extensions thereof.	
ASSIGNOR here right, title and int and all Letters Fathereof, and in as to accrue with reinvention, SAID including any anwhich may be gright to sue for darising from or a renewals, reissue representatives, i	WITNESSETH that for good and valuable consideration, the receipt whereof is hereby acknowledged, eby assigns, sells, and transfers to ASSIGNEE, its assigns and legal representatives, the entire and exclusive terest in and to said invention and patent(s), including any and all divisions and continuations thereof, and any attent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions and to any and all U.S. (including provisional) or foreign priority and/or convention rights or benefits accruing or espect to the filing or securing of patents in the United States and/or any countries foreign thereto concerning said ASSIGNEE, its assigns and legal representatives to have, hold, exercise, and enjoy said invention and patent, dall earlier priority rights (U.S. and foreign), divisions and continuations thereof, any and all Letters Patent ented therefor, including any and all renewals, reissues, reexaminations and extensions thereof, including the lamages occurring before the assignment, with all the rights, powers, privileges and advantages in anywise appertaining thereto, for and during the term or terms of any and all such Letters Patent, including any and all es, reexaminations and extensions thereof, for the use and benefit of ASSIGNEE and its assigns and legal in as ample and beneficial a manner to all intents and purposes as the ASSIGNOR might or could have held and c, if the assignment had not been made.	
AND ASSIGNOR hereby agrees to execute all papers that may be necessary to file applications in the United States and foreign countries for said invention and to assign the same to said ASSIGNEE, its assigns and legal representatives and to execute any other papers that may be needed in connection with securing Letters Patents thereon.		
AND ASSIGNOR authorizes and requests the Commissioner of Patents and Trademarks to issue a Letters Patent on any and all divisions and continuations thereof, to ASSIGNEE, its assigns and legal representatives, in accordance herewith.		
The undersigned hereby grant(s) the law firm of Millen, White, Zelano & Branigan, P.C. the power to insert on this assignment information which may be necessary or desirable in order for the United States Patent and Trademark Office to properly record this document.		
	IN TESTIMONY WHEREOF this assignment is executed by ASSIGNOR	
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.		
1	OF INVENTOR Zhonedous ZHAO Date: ///2 //3	
Inventor:	Zhongdong ZHAO Date: // Z // S	
Signature:		

Millen, White, Zelano & Branigan, P.C.
Attorneys at Law
Arlington Courthouse Plaza
2200 Clarendon Boulevard | Suite 1400 | Arlington VA 22201
Telephone: 703,243,6333 | Fax: 703,243,6410
Email: mail@mwzb.com

Effective, September 16, 2012

Title of	PYRIDONE AND AZA-PYRIDONE COMPOUNDS AND METHODS OF USE	
Invention		
As the below man	od inventor, I hereby declare that:	
This declaration	The attached application, or	
is directed to:	United States Application or PCT International Application number 14/059.626 filed on 10/22/13	
The above-identif	fied application was made or authorized to be made by me.	
I believe that I an	the original inventor or an original joint inventor of a claimed invention in the application.	
all patent(s) fisted	GILEAD CONNECTICUT, INC. 333 LAKESIDE DRIVE FOSTER CITY, CALIFORNIA 94404 ed to as the ASSIGNEE, is desirous of acquiring the entire right, title, and interest in and to said invention and tabove, including any and all earlier priority rights (U.S. and foreign), divisions and continuations thereof, all irenewals, reissues, reexaminations and extensions thereof.	
NOW, WITNESSETH that for good and valuable consideration, the receipt whereof is hereby acknowledged, ASSIGNOR hereby assigns, sells, and transfers to ASSIGNEE, its assigns and legal representatives, the entire and exclusive right, title and interest in and to said invention and patent(s), including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions thereof, and in and to any and all U.S. (including provisional) or foreign priority and/or convention rights or benefits accruing or to accrue with respect to the filing or securing of patents in the United States and/or any countries foreign thereto concerning said invention, SAID ASSIGNEE, its assigns and legal representatives to have, hold, exercise, and enjoy said invention and patent, including any and all earlier priority rights (U.S. and foreign), divisions and continuations thereof, any and all Letters Patent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions thereof, including the right to sue for damages occurring before the assignment, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such Letters Patent, including any and all renewals, reissues, reexaminations and extensions thereof, for the use and benefit of ASSIGNEE and its assigns and legal representatives, in as ample and beneficial a manner to all intents and purposes as the ASSIGNOR might or could have held and enjoyed the same, if the assignment had not been made.		
AND ASSIGNOR hereby agrees to execute all papers that may be necessary to file applications in the United States and foreign countries for said invention and to assign the same to said ASSIGNEE, its assigns and legal representatives and to execute any other papers that may be needed in connection with securing Letters Patents thereon.		
AND ASSIGNOR authorizes and requests the Commissioner of Patents and Trademarks to issue a Letters Patent on any and all divisions and continuations thereof, to ASSIGNEE, its assigns and legal representatives, in accordance herewith.		
The undersigned hereby grant(s) the law firm of Millen. White, Zelano & Branigan, P.C. the power to insert on this assignment information which may be necessary or desirable in order for the United States Patent and Trademark Office to properly record this document.		
IN TESTIMONY WHEREOF this assignment is executed by ASSIGNOR		
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.		
LEGAL NAME Inventor:	OF INVENTOR Pavel ZHICHKIN Date: 11 21 13	
Signature:	Plen	

Millen, White, Zelano & Branigan, P.C. Attorneys at Law Arlington Courthouse Plaza 2200 Clarendon Boulevard | Suite 1400 | Arlington VA 22201 Telephone: 703.243.6333 | Fax: 703.243.6410 Email: Mail@mwzb.com

Liffeetive, September 16, 2012

PATENT REEL: 031714 FRAME: 0384

RECORDED: 12/04/2013