

AS. 150.115

Señora Directora
DIRECCIÓN DE NUEVAS CREACIONES
SUPERINTENDENCIA DE INDUSTRIA Y COMERCIO
E. S. D.

RESPUESTA A OFICIO No. 9874 DEL 28 DE JUNIO DE 2021

REF: Expediente No. NC2021/0007973 - Solicitud de Patente Fase Nacional

A favor de **CELGENE CORPORATION**

Titulada: COMPUESTOS DE 3-((3- AMINOFENIL)AMINO)PIPERIDINA-2,6-DIONA SUSTITUIDA, COMPOSICIONES DE ESTOS Y MÉTODOS DE TRATAMIENTO CON ESTOS

JUAN PABLO CADENA SARMIENTO, vecino de Bogotá, portador de la tarjeta profesional No. 57492, obrando como apoderado de la sociedad **CELGENE CORPORATION**, según lo acredita el documento de poder presentado en esa Dirección, para dar cumplimiento al requerimiento notificado de manera automática el 30 de junio de 2021, de acuerdo con los Artículos 38 y 39 de la Decisión 486 de la comisión de la Comunidad Andina me permito allegar:

1. Documento de cesión del derecho a la patente otorgado por los inventores al solicitante.

De la señora Directora atentamente,



JUAN PABLO CADENA SARMIENTO

C.C. No. 80.410.337 de Usaquén

T. P. 57.492 del Consejo Superior de la Judicatura

Bogotá, 01 de julio de 2021

JPC/jpg

ASSIGNMENT

WHEREAS, **Signal Pharmaceuticals, LLC**, a corporation organized and existing under the laws of the state of California, and having an office for the transaction of business at 10300 Campus Point Drive, Suite 100, San Diego, CA 92121, ASSIGNOR, received by assignment the entire right, title and interest in, to, and under the contribution by named inventors **Massimo Ammirante, Sogole Bahmanyar, Matthew D. Correa, Virginia Grant, Joshua Hansen, Evan J. Horn, Timothy S. Kercher, Christopher Mayne, Mark A. Nagy, Rama Krishna Narla, Surendra Nayak, Stephen Norris, Patrick Papa, Veronique Plantevin-Krenitsky, John J. Sapienza, Brandon W. Whitefield and Shuichan Xu** to the invention in **SUBSTITUTED 3-((3-AMINOPHENYL)AMINO)PIPERIDINE-2,6-DIONE COMPOUNDS, COMPOSITIONS THEREOF, AND METHODS OF TREATMENT THEREWITH** for which a provisional application for a Patent of the United States has been filed.

- ☒ which is identified by Jones Day docket no. 14247-355-888 (CAM 206986-888355)
- ☒ which was filed on December 19, 2018, Application No. 62/782,298

and WHEREAS, **Celgene Corporation**, a corporation organized and existing under the laws of the state of Delaware, and having an office for the transaction of business at 86 Morris Avenue, Summit, NJ 07901, ASSIGNEE, is desirous of obtaining my entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I, the said ASSIGNOR, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, my entire right, title and interest in, to and under the said invention, and the said United States provisional application and all applications claiming priority thereto under 35 U.S.C. § 119(e) and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and all right to sue for infringement including past infringement.

AND Signal Pharmaceuticals, LLC HEREBY authorizes and requests the Commissioner for Patents and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND Signal Pharmaceuticals, LLC HEREBY covenants and agrees that it have full right to convey the entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

AND Signal Pharmaceuticals, LLC HEREBY further covenants and agrees that it will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

IN WITNESS WHEREOF, each party has caused this assignment to be executed by its duly authorized representative.

ASSIGNOR, **Signal Pharmaceuticals, LLC**:

Signature: Denise Hickey

Date: 10/15/2019

Printed Name: Denise Hickey

Title: VP, Deputy Chief Patent Counsel

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA)

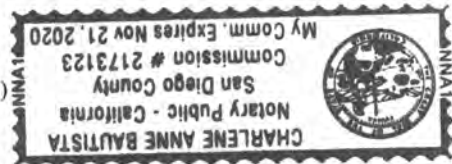
COUNTY OF San Diego)

On October 15, 2019 before me, Charlene Anne Bautista, Notary Public, personally appeared Denise Hickey, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Charlene Anne Bautista (Seal)



ACCEPTED AND AGREED TO BY ASSIGNEE, Celgene Corporation:

Signature: Denise Hickey

Date: October 15, 2019

Printed Name: Denise Hickey

Title: VP, Deputy Chief Patent Counsel

ASSIGNMENT

WHEREAS, WE, **Massimo Ammirante**, citizen of the United States and Italy, having a mailing address of 10300 Campus Point Drive, Suite 100, San Diego, CA 92121, residing at San Diego, CA, **Sogole Bahmanyar**, citizen of the United States, having a mailing address of 10300 Campus Point Drive, Suite 100, San Diego, CA 92121, residing at San Diego, CA, **Matthew D. Correa**, citizen of the United States, having a mailing address of 10300 Campus Point Drive, Suite 100, San Diego, CA 92121, residing at San Diego, CA, **Virginia Grant**, citizen of the United States, having a mailing address of 10300 Campus Point Drive, Suite 100, San Diego, CA 92121, residing at San Diego, CA, **Joshua Hansen**, citizen of the United States, having a mailing address of 10300 Campus Point Drive, Suite 100, San Diego, CA 92121, residing at San Diego, CA, **Evan J. Horn**, citizen of the United States, having a mailing address of 10300 Campus Point Drive, Suite 100, San Diego, CA 92121, residing at San Diego, CA, **Timothy S. Kercher**, citizen of the United States, having a mailing address of 1829 Caleta Trail Longmont, CO 80504, residing at Longmont, CO, **Christopher Mayne**, citizen of the United States, having a mailing address of 10300 Campus Point Drive, Suite 100, San Diego, CA 92121, residing at San Diego, CA, **Mark A. Nagy**, citizen of the United States, having a mailing address of 10300 Campus Point Drive, Suite 100, San Diego, CA 92121, residing at San Diego, CA, **Rama Krishna Narla**, citizen of the United States, having a mailing address of 10300 Campus Point Drive, Suite 100, San Diego, CA 92121, residing at San Diego, CA, **Surendra Nayak**, citizen of the United States, having a mailing address of 10300 Campus Point Drive, Suite 100, San Diego, CA 92121, residing at San Diego, CA, **Stephen Norris**, citizen of the United States, having a mailing address of 10300 Campus Point Drive, Suite 100, San Diego, CA 92121, residing at San Diego, CA, **Patrick Papa**, citizen of the United States, having a mailing address of 10300 Campus Point Drive, Suite 100, San Diego, CA 92121, residing at San Diego, CA, **Veronique Plantevin-Krenitsky**, citizen of France, having a mailing address of 10300 Campus Point Drive, Suite 100, San Diego, CA 92121, residing at San Diego, CA, **John J. Sapienza**, citizen of the United States, having a mailing address of 10300 Campus Point Drive, Suite 100, San Diego, CA 92121, residing at San Diego, CA, **Brandon W. Whitefield**, citizen of the United States, having a mailing address of 10300 Campus Point Drive, Suite 100, San Diego, CA 92121, residing at San Diego, CA and **Shuichan Xu**, citizen of the United States, having a mailing address of 10300 Campus Point Drive, Suite 100, San Diego, CA 92121, residing at San Diego, CA, ASSIGNORS, are the inventors of the invention in **SUBSTITUTED 3-((3-AMINOPHENYL)AMINO)PIPERIDINE-2,6-DIONE COMPOUNDS, COMPOSITIONS THEREOF, AND METHODS OF TREATMENT THEREWITH** for which a provisional application for a Patent of the United States has been filed.

CITIZEN OF THE UNITED STATES

- ☒ which is identified by Jones Day docket no. 14247-355-888 (CAM 206986-888355)
- ☒ which was filed on December 19, 2018, Application No. 62/782,298

ADDRESS 301 CHRISTOPHER DRIVE
SAN FRANCISCO CA 94131

and WHEREAS, **Signal Pharmaceuticals, LLC**, a corporation organized and existing under the laws of the state of California, and having an office for the transaction of business at 10300 Campus Point Drive, Suite 100, San Diego, CA 92121, ASSIGNEE, is desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, our entire right, title and interest in, to and under the said invention, and the said United States provisional application and all applications claiming priority thereto under 35 U.S.C. § 119(e) and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and all right to sue for infringement including past infringement.

AND WE HEREBY authorize and request the Commissioner for Patents and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

ASSIGNMENT

PO Box 3693
Rancho Santa Fe
CA 92067

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NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, our entire right, title and interest in, to and under the said invention, and the said United States provisional application and all applications claiming priority thereto under 35 U.S.C. § 119(e) and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and all right to sue for infringement including past infringement.

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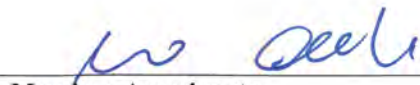
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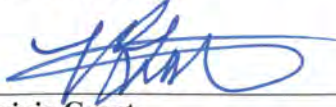
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IN TESTIMONY WHEREOF, We hereunto set our hands and seals the day and year set opposite our respective signatures.

Date 08/19, 2019  L.S.
Massimo Ammirante

Date _____, 2019 _____ L.S.
Sogole Bahmanyar

Date 8/21, 2019  L.S.
Matthew D. Correa

Date 8, 21, 2019  L.S.
Virginia Grant

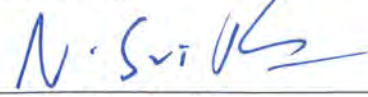
Date 6/19, 2019  L.S.
Joshua Hansen

Date 8/19, 2019  L.S.
Evan J. Horn

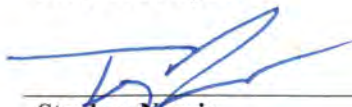
Date _____, 2019 _____ L.S.
Timothy S. Kercher

Date 8/21, 2019  L.S.
Christopher Mayne

Date 8/21, 2019  L.S.
Mark A. Nagy

Date 8/19, 2019  L.S.
Rama Krishna Narla

Date 8/21, 2019  L.S.
Surendra Nayak

Date 8/19, 2019  L.S.
Stephen Norris

Date 8/21, 2019  L.S.
Patrick Papa

Date _____, 2019

Veronique Plantevin-Krenitsky

L.S.

Date 8-19, 2019

John J. Sapienza

L.S.

Date 8-19, 2019

Brandon W. Whitefield

L.S.

Date 8/21, 2019

Shuichan Xu

L.S.

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA,)

COUNTY OF San Diego)

On August 19, 2019 before me, Charlene Anne Bautista, Notary Public, personally appeared **Massimo Ammirante**, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he she they executed the same in his her their authorized capacity(ies), and that by his her their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

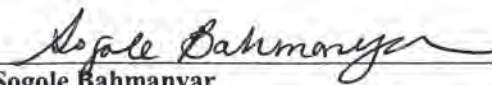
WITNESS my hand and official seal.

Signature Charlene Anne Bautista (Seal)



IN TESTIMONY WHEREOF, We hereunto set our hands and seals the day and year set opposite our respective signatures.

Date _____, 2019 _____ L.S.
Massimo Ammirante

Date 8-25, 2019  L.S.
Sogole Bahmanyar

Date _____, 2019 _____ L.S.
Matthew D. Correa

Date _____, 2019 _____ L.S.
Virginia Grant

Date _____, 2019 _____ L.S.
Joshua Hansen

Date _____, 2019 _____ L.S.
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Date _____, 2019 _____ L.S.
Patrick Papa

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Date _____, 2019 _____ L.S.
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Virginia Grant

Date _____, 2019 _____ L.S.
Joshua Hansen

Date _____, 2019 _____ L.S.
Evan J. Horn

Date SEPT 11, 2019 _____ L.S.

Timothy S. Kercher

Date _____, 2019 _____ L.S.
Christopher Mayne

Date _____, 2019 _____ L.S.
Mark A. Nagy

Date _____, 2019 _____ L.S.
Rama Krishna Narla

Date _____, 2019 _____ L.S.
Surendra Nayak

Date _____, 2019 _____ L.S.
Stephen Norris

Date _____, 2019 _____ L.S.
Patrick Papa

Date 09/05, 2019


Veronique Plantevin-Krenitsky

L.S.

Date _____, 2019

John J. Sapienza

L.S.

Date _____, 2019

Brandon W. Whitefield

L.S.

Date _____, 2019

Shuichan Xu

L.S.

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA

)

COUNTY OF _____

)

On _____ before me, _____, Notary Public, personally appeared **Massimo Ammirante**, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature _____ (Seal)

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA)

COUNTY OF San Diego)

On August 25, 2019 before me, Katherine Ann Howe, Notary Public, personally appeared **Sogole Bahmanyar**, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Katherine Ann Howe (Seal)



A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA)

COUNTY OF _____)

On _____ before me, _____, Notary Public, personally appeared **Matthew D. Correa**, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature _____ (Seal)

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA)

COUNTY OF _____)

On _____ before me, _____, Notary Public, personally appeared **Sogole Bahmanyar**, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature _____ (Seal)

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA)

COUNTY OF San Diego)

On August 21, 2019 before me, Charlene Anne Bautista, Notary Public, personally appeared **Matthew D. Correa**, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Charlene Anne Bautista (Seal)



A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA)

COUNTY OF San Diego)

On August 21, 2019 before me, Charlene Anne Bautista, Notary Public, personally appeared **Virginia Grant**, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Charlene Anne Bautista (Seal)



A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA)

COUNTY OF San Diego)

On August 19, 2019 before me, Charlene Anne Bautista, Notary Public, personally appeared **Joshua Hansen**, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Charlene Anne Bautista (Seal)



A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA)

COUNTY OF _____)

On _____ before me, _____, Notary Public, personally appeared **Evan J. Horn**, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

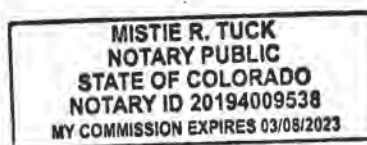
Signature _____ (Seal)

STATE OF Colorado)
COUNTY OF Boulder) SS.:

On Sept 11 2019 before me, Mistie R. Tuck, Notary Public, personally appeared **Timothy S. Kercher**, personally known to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Signature Mistie R. Tuck (Seal)



A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA)

COUNTY OF San Diego)

On August 19, 2019 before me, Charlene Anne Bautista, Notary Public, personally appeared **Evan J. Horn**, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Charlene Anne Bautista (Seal)



STATE OF)

SS.:)

COUNTY OF)

On _____ before me, _____, Notary Public, personally appeared **Timothy S. Kercher**, personally known to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Signature _____ (Seal)

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STATE OF CALIFORNIA)

COUNTY OF San Diego)

On August 21, 2019 before me, Charlene Anne Bautista, Notary Public, personally appeared **Christopher Mayne**, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Charlene Anne Bautista (Seal)



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STATE OF CALIFORNIA)

COUNTY OF San Diego)

On August 21, 2019 before me, Charlene Anne Bautista, Notary Public, personally appeared **Mark A. Nagy**, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Charlene Anne Bautista (Seal)



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STATE OF CALIFORNIA)

COUNTY OF San Diego)

On August 19, 2019 before me, Charlene Anne Bautista, Notary Public, personally appeared **Rama Krishna Narla**, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Charlene Anne Bautista (Seal)



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STATE OF CALIFORNIA)

COUNTY OF San Diego)

On August 21, 2019 before me, Charlene Anne Bautista, Notary Public, personally appeared **Surendra Nayak**, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Charlene Anne Bautista (Seal)



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STATE OF CALIFORNIA)

COUNTY OF San Diego)

On August 19, 2019 before me, Charlene Anne Bautista, Notary Public, personally appeared **Stephen Norris**, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Charlene Anne Bautista (Seal)



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STATE OF CALIFORNIA)

COUNTY OF San Diego)

On August 21, 2019 before me, Charlene Anne Bautista, Notary Public, personally appeared **Patrick Papa**, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Charlene Anne Bautista (Seal)



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STATE OF CALIFORNIA)

COUNTY OF San Francisco)

On Sept 5th 2019 before me, Matt G. Miller, Notary Public, personally appeared **Veronique Plantevin - Krenitsky**, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature [Signature] (Seal)



A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA)

COUNTY OF _____)

On _____ before me, _____, Notary Public, personally appeared **John J. Sapienza**, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature _____ (Seal)

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA)

COUNTY OF _____)

On _____ before me, _____, Notary Public, personally appeared **Veronique Plantevin - Krenitsky**, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature _____ (Seal)

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA)

COUNTY OF San Diego)

On August 19, 2019 before me, Charlene Anne Bautista, Notary Public, personally appeared **John J. Sapienza**, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Charlene Anne Bautista (Seal)



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STATE OF CALIFORNIA)

COUNTY OF San Diego)

On August 19, 2019 before me, Charlene Anne Bautista, Notary Public, personally appeared **Brandon W. Whitefield**, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/~~she/they~~ executed the same in his/~~her/their~~ authorized capacity(ies), and that by his/~~her/their~~ signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Charlene Anne Bautista (Seal)



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STATE OF CALIFORNIA)

COUNTY OF San Diego)

On August 21, 2019 before me, Charlene Anne Bautista, Notary Public, personally appeared **Shuichan Xu**, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/~~she/they~~ executed the same in his/~~her/their~~ authorized capacity(ies), and that by his/~~her/their~~ signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Charlene Anne Bautista (Seal)



ACCEPTED AND AGREED TO BY ASSIGNEE, Signal Pharmaceuticals, LLC:

Signature: _____

Denise Hickey

Date: _____

October 15, 2019

Printed Name: _____

Denise Hickey

Title: _____

VP, Deputy Chief Patent Counsel

ASSIGNMENT

WHEREAS, **Signal Pharmaceuticals, LLC**, a corporation organized and existing under the laws of the state of California, and having an office for the transaction of business at 10300 Campus Point Drive, Suite 100, San Diego, CA 92121, ASSIGNOR, received by assignment the entire right, title and interest in, to, and under the contribution by named inventors **Massimo Ammirante, Sogole Bahmanyar, Matthew D. Correa, Virginia Grant, Joshua Hansen, Evan J. Horn, Timothy S. Kercher, Christopher Mayne, Mark A. Nagy, Rama Krishna Narla, Surendra Nayak, Stephen Norris, Patrick Papa, Veronique Plantevin-Krenitsky, John J. Sapienza, Brandon W. Whitefield and Shuichan Xu** to the invention in **SUBSTITUTED 3-((3-AMINOPHENYL)AMINO)PIPERIDINE-2,6-DIONE COMPOUNDS, COMPOSITIONS THEREOF, AND METHODS OF TREATMENT THEREWITH** for which a provisional application for a Patent of the United States has been filed.

- ☒ which is identified by Jones Day docket no. 14247-408-888 (CAM 206986-888408)
- ☒ which was filed on July 29, 2019, Application No. 62/879,900

and WHEREAS, **Celgene Corporation**, a corporation organized and existing under the laws of the state of Delaware, and having an office for the transaction of business at 86 Morris Avenue, Summit, NJ 07901, ASSIGNEE, is desirous of obtaining my entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, Signal Pharmaceuticals, LLC, has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto Celgene Corporation, its successors, legal representatives and assigns, its entire right, title and interest in, to and under the said invention, and the said United States provisional application and all applications claiming priority thereto under 35 U.S.C. § 119(e) and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and all right to sue for infringement including past infringement.

AND Signal Pharmaceuticals, LLC HEREBY authorizes and requests the Commissioner for Patents and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to Celgene Corporation, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND Signal Pharmaceuticals, LLC HEREBY covenants and agrees that it has full right to convey the entire interest herein assigned, and that it have not executed, and will not execute, any agreement in conflict herewith.

AND Signal Pharmaceuticals, LLC HEREBY further covenants and agrees that it will communicate to Celgene Corporation, its successors, legal representatives and assigns, any facts known to Signal Pharmaceuticals, LLC respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid Celgene Corporation, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

IN WITNESS WHEREOF, each party has caused this assignment to be executed by its duly authorized representative.

ASSIGNOR, **Signal Pharmaceuticals, LLC**:

Signature: 

Date: October 15, 2019

Printed Name: Denise Hickey

Title: VP, Deputy Chief Patent Counsel

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA)

COUNTY OF San Diego)

On October 15, 2019 before me, Charlene Anne Bautista, Notary Public, personally appeared Denise Hickey who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Charlene Anne Bautista (Seal)



ACCEPTED AND AGREED TO BY ASSIGNEE, Celgene Corporation:

Signature: Denise Hickey

Date: October 15, 2019

Printed Name: Denise Hickey

Title: VP, Deputy Chief Patent Counsel

ASSIGNMENT

WHEREAS, WE, **Massimo Ammirante**, citizen of the United States and Italy, having a mailing address of 10300 Campus Point Drive, Suite 100, San Diego, CA 92121 residing at San Diego, CA, **Sogole Bahmanyar**, citizen of the United States, having a mailing address of 10300 Campus Point Drive, Suite 100, San Diego, CA 92121 residing at San Diego, CA, **Matthew D. Correa**, citizen of the United States, having a mailing address of 10300 Campus Point Drive, Suite 100, San Diego, CA 92121 residing at San Diego, CA, **Virginia Grant**, citizen of the United States, having a mailing address of 10300 Campus Point Drive, Suite 100, San Diego, CA 92121 residing at San Diego, CA, **Joshua Hansen**, citizen of the United States, having a mailing address of 10300 Campus Point Drive, Suite 100, San Diego, CA 92121 residing at San Diego, CA, **Evan J. Horn**, citizen of the United States, having a mailing address of 10300 Campus Point Drive, Suite 100, San Diego, CA 92121 residing at San Diego, CA, **Timothy S. Kercher**, citizen of the United States, having a mailing address of 1829 Caleta Trail Longmont, CO 80504, residing at Longmont, CO, **Christopher Mayne**, citizen of the United States, having a mailing address of 10300 Campus Point Drive, Suite 100, San Diego, CA 92121 residing at San Diego, CA, **Mark A. Nagy**, citizen of the United States, having a mailing address of 10300 Campus Point Drive, Suite 100, San Diego, CA 92121 residing at San Diego, CA, **Rama Krishna Narla**, citizen of the United States, having a mailing address of 10300 Campus Point Drive, Suite 100, San Diego, CA 92121 residing at San Diego, CA, **Surendra Nayak**, citizen of the United States, having a mailing address of 10300 Campus Point Drive, Suite 100, San Diego, CA 92121 residing at San Diego, CA, **Stephen Norris**, citizen of the United States, having a mailing address of 10300 Campus Point Drive, Suite 100, San Diego, CA 92121 residing at San Diego, CA, **Patrick Papa**, citizen of the United States, having a mailing address of 10300 Campus Point Drive, Suite 100, San Diego, CA 92121 residing at San Diego, CA, **Veronique Plantevin-Krenitsky**, citizen of France, having a mailing address of 10300 Campus Point Drive, Suite 100, San Diego, CA 92121 residing at San Diego, CA, **John J. Sapienza**, citizen of the United States, having a mailing address of 10300 Campus Point Drive, Suite 100, San Diego, CA 92121 residing at San Diego, CA, **Brandon W. Whitefiled**, citizen of the United States, having a mailing address of 10300 Campus Point Drive, Suite 100, San Diego, CA 92121 residing at San Diego, CA and **Shuichan Xu**, citizen of the United States, having a mailing address of 10300 Campus Point Drive, Suite 100, San Diego, CA 92121 residing at San Diego, CA, ASSIGNORS, are inventors of the invention in **SUBSTITUTED 3-((3-AMINOPHENYL)AMINO)PIPERIDINE-2,6-DIONE COMPOUNDS, COMPOSITIONS THEREOF, AND METHODS OF TREATMENT THEREWITH** for which a provisional application for a Patent of the United States has been filed.

- ☒ which is identified by Jones Day docket no. 14247-408-888 (CAM 206986-888408)
- ☒ which was filed on July 29, 2019, Application No. 62/879,900

CITIZEN OF THE UNITED STATES

ADDRESS: 301 CHRISTOPHER DR.

SAN FRANCISCO CA 94131

and WHEREAS, **Signal Pharmaceuticals, LLC**, a corporation organized and existing under the laws of the state of California, and having an office for the transaction of business at 10300 Campus Point Drive, Suite 100, San Diego, CA 92121, ASSIGNEE, is desirous of obtaining my entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, our entire right, title and interest in, to and under the said invention, and the said United States provisional application and all applications claiming priority thereto under 35 U.S.C. § 119(e) and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and all right to sue for infringement including past infringement.

AND WE HEREBY authorize and request the Commissioner for Patents and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

ASSIGNMENT

WHEREAS, WE, **Massimo Ammirante**, citizen of the United States and Italy, having a mailing address of 10300 Campus Point Drive, Suite 100, San Diego, CA 92121 residing at San Diego, CA, **Sogole Bahmanyar**, citizen of the United States, having a mailing address of 10300 Campus Point Drive, Suite 100, San Diego, CA 92121 residing at San Diego, CA, **Matthew D. Correa**, citizen of the United States, having a mailing address of 10300 Campus Point Drive, Suite 100, San Diego, CA 92121 residing at San Diego, CA, **Virginia Grant**, citizen of the United States, having a mailing address of 10300 Campus Point Drive, Suite 100, San Diego, CA 92121 residing at San Diego, CA, **Joshua Hansen**, citizen of the United States, having a mailing address of 10300 Campus Point Drive, Suite 100, San Diego, CA 92121 residing at San Diego, CA, **Evan J. Horn**, citizen of the United States, having a mailing address of 10300 Campus Point Drive, Suite 100, San Diego, CA 92121 residing at San Diego, CA, **Timothy S. Kercher**, citizen of the United States, having a mailing address of 1829 Caleta Trail Longmont, CO 80504, residing at Longmont, CO, **Christopher Mayne**, citizen of the United States, having a mailing address of 10300 Campus Point Drive, Suite 100, San Diego, CA 92121 residing at San Diego, CA, **Mark A. Nagy**, citizen of the United States, having a mailing address of 10300 Campus Point Drive, Suite 100, San Diego, CA 92121 residing at San Diego, CA, **Rama Krishna Narla**, citizen of the United States, having a mailing address of 10300 Campus Point Drive, Suite 100, San Diego, CA 92121 residing at San Diego, CA, **Surendra Nayak**, citizen of the United States, having a mailing address of 10300 Campus Point Drive, Suite 100, San Diego, CA 92121 residing at San Diego, CA, **Stephen Norris**, citizen of the United States, having a mailing address of 10300 Campus Point Drive, Suite 100, San Diego, CA 92121 residing at San Diego, CA, **Patrick Papa**, citizen of the United States, having a mailing address of 10300 Campus Point Drive, Suite 100, San Diego, CA 92121 residing at San Diego, CA, **Veronique Plantevin-Krenitsky**, citizen of France, having a mailing address of 10300 Campus Point Drive, Suite 100, San Diego, CA 92121 residing at San Diego, CA, **John J. Sapienza**, citizen of the United States, having a mailing address of 10300 Campus Point Drive, Suite 100, San Diego, CA 92121 residing at San Diego, CA, **Brandon W. Whitefiled**, citizen of the United States, having a mailing address of 10300 Campus Point Drive, Suite 100, San Diego, CA 92121 residing at San Diego, CA and **Shuichan Xu**, citizen of the United States, having a mailing address of 10300 Campus Point Drive, Suite 100, San Diego, CA 92121 residing at San Diego, CA, ASSIGNORS, are inventors of the invention in **SUBSTITUTED 3-((3-AMINOPHENYL)AMINO)PIPERIDINE-2,6-DIONE COMPOUNDS, COMPOSITIONS THEREOF, AND METHODS OF TREATMENT THEREWITH** for which a provisional application for a Patent of the United States has been filed.

- ☒ which is identified by Jones Day docket no. 14247-408-888 (CAM 206986-888408)
- ☒ which was filed on July 29, 2019, Application No. 62/879,900

and WHEREAS, **Signal Pharmaceuticals, LLC**, a corporation organized and existing under the laws of the state of California, and having an office for the transaction of business at 10300 Campus Point Drive, Suite 100, San Diego, CA 92121, ASSIGNEE, is desirous of obtaining my entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, our entire right, title and interest in, to and under the said invention, and the said United States provisional application and all applications claiming priority thereto under 35 U.S.C. § 119(e) and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and all right to sue for infringement including past infringement.

AND WE HEREBY authorize and request the Commissioner for Patents and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

ASSIGNMENT

WHEREAS, WE, **Massimo Ammirante**, citizen of the United States and Italy, having a mailing address of 10300 Campus Point Drive, Suite 100, San Diego, CA 92121 residing at San Diego, CA, **Sogole Bahmanyar**, citizen of the United States, having a mailing address of 10300 Campus Point Drive, Suite 100, San Diego, CA 92121 residing at San Diego, CA, **Matthew D. Correa**, citizen of the United States, having a mailing address of 10300 Campus Point Drive, Suite 100, San Diego, CA 92121 residing at San Diego, CA, **Virginia Grant**, citizen of the United States, having a mailing address of 10300 Campus Point Drive, Suite 100, San Diego, CA 92121 residing at San Diego, CA, **Joshua Hansen**, citizen of the United States, having a mailing address of 10300 Campus Point Drive, Suite 100, San Diego, CA 92121 residing at San Diego, CA, **Evan J. Horn**, citizen of the United States, having a mailing address of 10300 Campus Point Drive, Suite 100, San Diego, CA 92121 residing at San Diego, CA, **Timothy S. Kercher**, citizen of the United States, having a mailing address of 1829 Caleta Trail Longmont, CO 80504, residing at Longmont, CO, **Christopher Mayne**, citizen of the United States, having a mailing address of 10300 Campus Point Drive, Suite 100, San Diego, CA 92121 residing at San Diego, CA, **Mark A. Nagy**, citizen of the United States, having a mailing address of 10300 Campus Point Drive, Suite 100, San Diego, CA 92121 residing at San Diego, CA, **Rama Krishna Narla**, citizen of the United States, having a mailing address of 10300 Campus Point Drive, Suite 100, San Diego, CA 92121 residing at San Diego, CA, **Surendra Nayak**, citizen of the United States, having a mailing address of 10300 Campus Point Drive, Suite 100, San Diego, CA 92121 residing at San Diego, CA, **Stephen Norris**, citizen of the United States, having a mailing address of 10300 Campus Point Drive, Suite 100, San Diego, CA 92121 residing at San Diego, CA, **Patrick Papa**, citizen of the United States, having a mailing address of 10300 Campus Point Drive, Suite 100, San Diego, CA 92121 residing at San Diego, CA, **Veronique Plantevin-Krenitsky**, citizen of France, having a mailing address of 10300 Campus Point Drive, Suite 100, San Diego, CA 92121 residing at San Diego, CA, **John J. Sapienza**, citizen of the United States, having a mailing address of 10300 Campus Point Drive, Suite 100, San Diego, CA 92121 residing at San Diego, CA, **Brandon W. Whitefield**, citizen of the United States, having a mailing address of 10300 Campus Point Drive, Suite 100, San Diego, CA 92121 residing at San Diego, CA and **Shuichan Xu**, citizen of the United States, having a mailing address of 10300 Campus Point Drive, Suite 100, San Diego, CA 92121 residing at San Diego, CA, ASSIGNEE, are inventors of the invention in **SUBSTITUTED 3-((3-AMINOPHENYL)AMINO)PIPERIDINE-2,6-DIONE COMPOUNDS, COMPOSITIONS THEREOF, AND METHODS OF TREATMENT THEREWITH** for which a provisional application for a Patent of the United States has been filed.

- ☒ which is identified by Jones Day docket no. 14247-408-888 (CAM 206986-888408)
- ☒ which was filed on July 29, 2019, Application No. 62/879,900

and WHEREAS, **Signal Pharmaceuticals, LLC**, a corporation organized and existing under the laws of the state of California, and having an office for the transaction of business at 10300 Campus Point Drive, Suite 100, San Diego, CA 92121, ASSIGNEE, is desirous of obtaining my entire right, title and interest in, to and under the said invention and the said application:

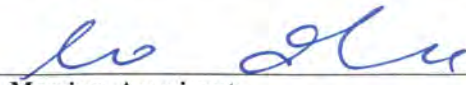
NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, our entire right, title and interest in, to and under the said invention, and the said United States provisional application and all applications claiming priority thereto under 35 U.S.C. § 119(e) and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and all right to sue for infringement including past infringement.

AND WE HEREBY authorize and request the Commissioner for Patents and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

IN TESTIMONY WHEREOF, We hereunto set our hands and seals the day and year set opposite our respective signatures.

Date 08/18, 2019  L.S.
Massimo Ammirante

Date _____, 2019 _____ L.S.
Sogole Bahmanyar

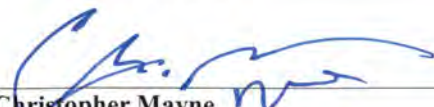
Date 8/21, 2019  L.S.
Matthew D. Correa

Date 8, 21, 2019  L.S.
Virginia Grant

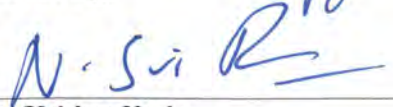
Date 8/19, 2019  L.S.
Joshua Hansen

Date 8/19, 2019  L.S.
Evan J. Horn

Date _____, 2019 _____ L.S.
Timothy S. Kercher

Date 8/21, 2019  L.S.
Christopher Mayne

Date 8/21, 2019  L.S.
Mark A. Nagy

Date 8/19/, 2019  L.S.
Rama Krishna Narla

Date 8/21, 2019  L.S.
Surendra Nayak

Date 8/19, 2019  L.S.
Stephen Norris

Date 8/21, 2019  L.S.
Patrick Papa

Date _____, 2019 _____ L.S.

Veronique Plantevin-Krenitsky

Date 8-29, 2019 _____ L.S.

John J. Sapienza

Date 8-19, 2019 _____ L.S.

Brandon W. Whitefiled

Date 8/21, 2019 _____ L.S.

Shuichan Xu

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA)

COUNTY OF San Diego)

On August 19, 2019 before me, Charlene Anne Bautista, Notary Public, personally appeared **Massimo Ammirante**, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Charlene Anne Bautista (Seal)



IN TESTIMONY WHEREOF, We hereunto set our hands and seals the day and year set opposite our respective signatures.

Date _____, 2019	_____ Massimo Ammirante	L.S.
Date <u>8-25</u> , 2019	<u><i>Sogole Bahmanyar</i></u> Sogole Bahmanyar	L.S.
Date _____, 2019	_____ Matthew D. Correa	L.S.
Date _____, 2019	_____ Virginia Grant	L.S.
Date _____, 2019	_____ Joshua Hansen	L.S.
Date _____, 2019	_____ Evan J. Horn	L.S.
Date _____, 2019	_____ Timothy S. Kercher	L.S.
Date _____, 2019	_____ Christopher Mayne	L.S.
Date _____, 2019	_____ Mark A. Nagy	L.S.
Date _____, 2019	_____ Rama Krishna Narla	L.S.
Date _____, 2019	_____ Surendra Nayak	L.S.
Date _____, 2019	_____ Stephen Norris	L.S.
Date _____, 2019	_____ Patrick Papa	L.S.

IN TESTIMONY WHEREOF, We hereunto set our hands and seals the day and year set opposite our respective signatures.

Date _____, 2019 _____ L.S.
Massimo Ammirante

Date _____, 2019 _____ L.S.
Sogole Bahmanyar

Date _____, 2019 _____ L.S.
Matthew D. Correa

Date _____, 2019 _____ L.S.
Virginia Grant

Date _____, 2019 _____ L.S.
Joshua Hansen

Date _____, 2019 _____ L.S.
Evan J. Horn

Date SEPT 11, 2019 _____ L.S.

Timothy S. Kercher

Date _____, 2019 _____ L.S.
Christopher Mayne

Date _____, 2019 _____ L.S.
Mark A. Nagy

Date _____, 2019 _____ L.S.
Rama Krishna Narla

Date _____, 2019 _____ L.S.
Surendra Nayak

Date _____, 2019 _____ L.S.
Stephen Norris

Date _____, 2019 _____ L.S.
Patrick Papa

Date 09/05, 2019


Veronique Plantevin-Krenitsky

L.S.

Date _____, 2019

John J. Sapienza

L.S.

Date _____, 2019

Brandon W. Whitefiled

L.S.

Date _____, 2019

Shuichan Xu

L.S.

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA

)

COUNTY OF _____

)

On _____ before me, _____, Notary Public, personally appeared **Massimo Ammirante**, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature _____ (Seal)

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA)

COUNTY OF San Diego)

On August 25, 2019 before me, Katherine Ann Howe, Notary Public, personally appeared **Sogole Bahmanyar**, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Katherine Ann Howe (Seal)



A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA)

COUNTY OF _____)

On _____ before me, _____, Notary Public, personally appeared **Matthew D. Correa**, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature _____ (Seal)

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA)

COUNTY OF _____)

On _____ before me, _____, Notary Public, personally appeared **Sogole Bahmanyar**, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature _____ (Seal)

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STATE OF CALIFORNIA)

COUNTY OF San Diego)

On August 21, 2019 before me, Charlene Anne Bautista, Notary Public, personally appeared **Matthew D. Correa**, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Charlene Anne Bautista (Seal)



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STATE OF CALIFORNIA)

COUNTY OF San Diego)

On August 21, 2019 before me, Charlene Anne Bautista, Notary Public, personally appeared **Virginia Grant**, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Charlene Anne Bautista (Seal)



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STATE OF CALIFORNIA)

COUNTY OF San Diego)

On August 19, 2019 before me, Charlene Anne Bautista, Notary Public, personally appeared **Joshua Hansen**, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Charlene Anne Bautista (Seal)



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STATE OF CALIFORNIA)

COUNTY OF _____)

On _____ before me, _____, Notary Public, personally appeared **Evan J. Horn**, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature _____ (Seal)

STATE OF Colorado)
) SS.:
COUNTY OF Boulder)

On Sept. 11, 2019 before me, Mistie R. Tuck, Notary Public, personally appeared **Timothy S. Kercher**, personally known to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Signature Mistie R. Tuck (Seal)

MISTIE R. TUCK
NOTARY PUBLIC
STATE OF COLORADO
NOTARY ID 20194009538
MY COMMISSION EXPIRES 03/08/2023

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STATE OF CALIFORNIA)

COUNTY OF San Diego)

On August 19, 2019 before me, Charlene Anne Bautista, Notary Public, personally appeared **Evan J. Horn**, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Charlene Anne Bautista (Seal)



STATE OF)
) SS.:
COUNTY OF)

On _____ before me, _____, Notary Public, personally appeared **Timothy S. Kercher**, personally known to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Signature _____ (Seal)

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STATE OF CALIFORNIA)

COUNTY OF San Diego)

On August 21, 2019 before me, Charlene Anne Bautista, Notary Public, personally appeared **Christopher Mayne**, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Charlene Anne Bautista (Seal)



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STATE OF CALIFORNIA)

COUNTY OF San Diego)

On August 21, 2019 before me, Charlene Anne Bautista, Notary Public, personally appeared **Mark A. Nagy**, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Charlene Anne Bautista (Seal)



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STATE OF CALIFORNIA)

COUNTY OF San Diego)

On August 19, 2019 before me, Charlene Anne Bautista, Notary Public, personally appeared **Rama Krishna Narla**, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Charlene Anne Bautista (Seal)



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STATE OF CALIFORNIA)

COUNTY OF San Diego)

On August 21, 2019 before me, Charlene Anne Bautista, Notary Public, personally appeared **Surendra Nayak**, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Charlene Anne Bautista (Seal)



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STATE OF CALIFORNIA)

COUNTY OF San Diego)

On August 19, 2019 before me, Charlene Anne Bautista, Notary Public, personally appeared **Stephen Norris**, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Charlene Anne Bautista (Seal)



A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA)

COUNTY OF San Diego)

On August 21, 2019 before me, Charlene Anne Bautista, Notary Public, personally appeared **Patrick Papa**, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Charlene Anne Bautista (Seal)



A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA)

COUNTY OF San Francisco)

On Sept 5th 2018 before me, Matt G. Miller Notary Public, personally appeared **Veronique Plantevin-Kremitsky**, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature _____

(Seal)



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STATE OF CALIFORNIA)

COUNTY OF _____)

On _____ before me, _____, Notary Public, personally appeared **John J. Sapienza**, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature _____

(Seal)

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA)

COUNTY OF _____)

On _____ before me, _____, Notary Public, personally appeared **Veronique Plantevin-Krenitsky**, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature _____ (Seal)

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA)

COUNTY OF San Diego)

On August 19, 2019 before me, Charlene Anne Bautista, Notary Public, personally appeared **John J. Sapienza**, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Charlene Anne Bautista (Seal)



A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA)

COUNTY OF San Diego)

On August 19, 2019 before me, Charlene Anne Bautista, Notary Public, personally appeared **Brandon W. Whitefiled**, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Charlene Anne Bautista (Seal)



A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA)

COUNTY OF San Diego)

On August 21, 2019 before me, Charlene Anne Bautista, Notary Public, personally appeared **Shuichan Xu**, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Charlene Anne Bautista (Seal)



ACCEPTED AND AGREED TO BY ASSIGNEE, **Signal Pharmaceuticals, LLC**:

Signature: Denise Hickey

Date: October 15, 2019

Printed Name: Denise Hickey

Title: VP, Deputy Chief Patent Counsel