

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT4977160

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| KUNWAR SHAILUBHAI | 04/20/2018 |
| STEPHEN COMISKEY | 04/18/2018 |
| RONG FENG | 05/05/2018 |
| RECEIVING PARTY DATA | |
| Name: | SYNERGY PHARMACEUTICALS, INC. |
| Street Address: | 420 LEXINGTON AVENUE |
| Internal Address: | SUITE 2012 |
| City: | NEW YORK |
| State/Country: | NEW YORK |
| Postal Code: | 10170 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 14896019 |
| CORRESPONDENCE DATA | |
| Fax Number: | (202)842-7899 |
| <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i> | |
| Phone: | 202-842-7800 |
| Email: | cphillipnouchet@cooley.com, zpatdcdocting@cooley.com |
| Correspondent Name: | COOLEY LLP |
| Address Line 1: | 1299 PENNSYLVANIA AVENUE NW, SUITE 700 |
| Address Line 4: | WASHINGTON, D.C. 20004 |
| ATTORNEY DOCKET NUMBER: | SYPA-018N01US 321994-2246 |
| NAME OF SUBMITTER: | ANNE E. FLECKENSTEIN |
| SIGNATURE: | /Anne E Fleckenstein/ |
| DATE SIGNED: | 05/24/2018 |
| Total Attachments: 7 | |
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ASSIGNMENT

Kunwar SHAILUBHAI, residing at 2707 Bald Eagle Circle, Audubon, PA 1940; **Stephen COMISKEY**, residing at 105 Steeplechase Drive, Doylestown, PA 18902; and **Rong FENG**, residing at 74 Pine Glen Road, Langhorne, PA 19047 (each referred to as "Assignor") have made an invention(s) (the "Invention(s)") set forth in an application for patent of the United States, entitled **ULTRA-PURE AGONISTS OF GUANYLATE CYCLASE C, METHOD OF MAKING AND USING SAME**, and which is a:

- (1) ☐ provisional application
(a) ☐ to be filed herewith; or
(b) ☐ bearing Application No. , and filed on ;
- (2) ☒ non-provisional application
(a) ☐ to be filed herewith; or
(b) ☒ bearing Application No. **14/896,019**, and filed on **December 4, 2015**; and/or
- (3) ☐ PCT application
(a) ☐ bearing Application No. , and filed on .

WHEREAS, Synergy Pharmaceuticals, Inc., a corporation having its principal place of business at 420 Lexington Avenue, Suite 2012, New York, NY 10170 its successors, legal representatives and assigns, (the "Assignee"), is desirous of acquiring the entire right, title, and interest in: the Invention(s); the application(s) for patent identified above; the right to file applications for patent of the United States or other countries on the Invention(s); any application(s) for patent of the United States or other countries claiming priority to, and/or the benefit of, these applications; any provisional or other right to recover any and all past, present, and future damages, including royalties, for any and all past, present, and future infringements of these application(s); and any and all patent(s) of the United States or other countries that may be granted therefor or thereon.

NOW, THEREFORE, for good and sufficient consideration, the receipt of which is hereby acknowledged, and to the extent that the Assignor has not done so already via a prior agreement with the Assignee or a predecessor in interest of the Assignee, or if the Assignor has already done so via a prior agreement with the Assignee or a predecessor in interest of the Assignee then in confirmation of any obligation to do so in said prior agreement, the Assignor has sold, assigned, transferred, and set over, and by these presents does sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns, the Assignor's entire right, title, and interest in:

- (a) the Invention(s);
(b) the application(s) for patent identified above;

(c) the right to file applications for patent of the United States or other countries on the Invention(s), including all rights under the Hague Convention, the Paris Convention for the Protection of Industrial Property, and under the Patent Cooperation Treaty, and all rights of claiming priority in any country of the world;

(d) any application(s) for patent of the United States or other countries claiming the Invention(s);

(e) any application(s) for patent of the United States or other countries claiming priority to, and/or the benefit of, at least one of the application(s) for patent identified above or any application(s) for patent claiming the Invention(s), including any substitute application(s), division(s), continuation(s), and continuation(s)-in-part;

(f) any provisional or other right to recover any and all past, present, and future damages, including royalties, for any and all past, present, and future infringements of any application for patent identified in the preceding paragraphs (b)-(e) and of any and all patent(s) granted based thereon in the United States and in all other countries; and

(g) any patent(s) of the United States or other countries that may be granted for or on any application for patent identified in the preceding paragraphs (b)-(e), including any reissue(s), reexamination(s), revival(s), renewal(s) and extension(s) of said patent(s).

The above-granted rights, titles, and interests are to be held and enjoyed by the Assignee, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns, as fully and entirely as the same would have been held and enjoyed by the Assignor had this sale and assignment not been made.

The Assignor hereby represents to the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, or if applicable, at such time said prior agreement was executed, the Assignor is a lawful owner of an undivided interest in the entire right, title, and interest in and to the Invention(s), that the Invention(s) are unencumbered, except, if applicable, by obligation to assign in accordance with said prior agreement, and that the Assignor has good and full right and lawful authority to sell and convey the same in the manner set forth herein, and that Assignor will not make or enter into any assignment, sale, agreement or encumbrance which would conflict with these presents.

The Assignor hereby covenants and agrees to and with the Assignee, its successors, legal representatives, and assigns, that the Assignor will sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done in connection with any and all proceedings for the procurement, maintenance, enforcement and defense of the Invention(s), said application(s), and said patent(s), including

interference and derivation proceedings, and any post-grant proceedings (e.g., opposition proceedings, post-grant reviews, *Inter partes* reviews, supplemental examinations, etc.) without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns.

The Assignor hereby authorizes and requests the attorneys of COOLEY LLP to insert in the spaces provided above the filing date, the application number, and the attorney docket number of the application(s) identified above when known.

The Assignor hereby requests the Commissioner of Patents to issue said patents of the United States to the Assignee for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

Date: 4/20/2018

By: Kunwar Shailubhai
Kunwar SHAILUBHAI

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 New York)
County of New York) ss.

On 4/20/2018, before me, Saira Suscello,
Notary Public, personally appeared Kunwar Shailubhai,
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.

REQUIRED SENTENCE IF NOTARIZED IN CALIFORNIA: 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.

Saira Suscello

Signature of Notary Public

Place Notary Seal Above

My Commission Expires: 3/31/2022

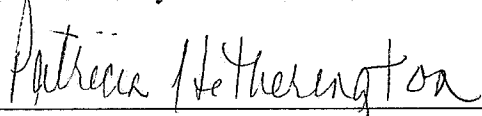
Date: April 18, 2018 By: 
Stephen COMISKEY

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 Pennsylvania)
County of Chester) ss.
On 04/18/2018, before me, Patricia Hetherington,
Notary Public, personally appeared Stephen Comiskey,
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.

REQUIRED SENTENCE IF NOTARIZED IN CALIFORNIA: 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.

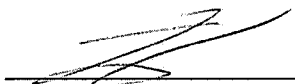

Signature of Notary Public

Place Notary Seal Above

My Commission Expires: 10/20/2019

COMMONWEALTH OF PENNSYLVANIA
NOTARIAL SEAL
Patricia Hetherington, Notary Public
Tredyffrin Twp., Chester County
My Commission Expires Oct. 20, 2019
MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

Date: 05/05/2018

By: 
Rong FENG

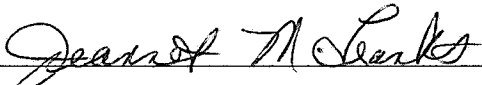
A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of Pennsylvania)
 County of Bucks) ss.

On May 5, 2018, before me, Jeannet M. Franks,
 Notary Public, personally appeared Rong Feng,
 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.

REQUIRED SENTENCE IF NOTARIZED IN CALIFORNIA: 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 of Notary Public

Place Notary Seal Above

My Commission Expires: 12/28/2020

COMMONWEALTH OF PENNSYLVANIA
 NOTARIAL SEAL
 JEANNET M FRANKS
 Notary Public
 MIDDLETOWN TWP, BUCKS COUNTY
 My Commission Expires Dec 28, 2020

For and on behalf of ASSIGNEE:

Date: 4/17/2018

Signature: [Signature]

Name: GARY GEMIGNANI

Title: Chief Financial Officer

Company: Synergy Pharmaceuticals, Inc.

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 New York)

County of New York) ss.

On 4/17/2018, before me, Saira Suscello,

Notary Public, personally appeared Gary Gemignani,

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.

REQUIRED SENTENCE IF NOTARIZED IN CALIFORNIA: 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 of Notary Public

SAIRA SUSCELLO
Notary Public, State of New York
No. 01SU6300391
Qualified in Nassau County
My Commission Expires March 31, 2022

Place Notary Seal Above

My Commission Expires: March 31, 2022