

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
GREGORY HINKLE	11/10/2010
SATYANARAYANA KUCHMANCHI	11/10/2010
STUART MILSTEIN	11/10/2010
TRACY S. ZIMMERMANN	11/10/2010
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PROPERTY NUMBERS Total: 2	
Property Type	Number
Application Number:	14746148
Application Number:	15359894
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DATE SIGNED:	02/15/2017
Total Attachments: 5	
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ASSIGNMENT

For good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, we

Gregory HINKLE	citizen of the United States of America	Alnylam Pharmaceuticals, Inc. 300 Third Street Cambridge, MA 02142 USA
Satyaharayana KUCHIMANCHI	citizen of the United States of America	Alnylam Pharmaceuticals, Inc. 300 Third Street Cambridge, MA 02142 USA
Stuart MILSTEIN	citizen of the United States of America	Alnylam Pharmaceuticals, Inc. 300 Third Street Cambridge, MA 02142 USA
Tracy S. ZIMMERMANN	citizen of the United States of America	Alnylam Pharmaceuticals, Inc. 300 Third Street Cambridge, MA 02142 USA

do hereby sell, assign and transfer to Alnylam Pharmaceuticals, Inc., a company organized under the laws of the United States of America, 300 Third Street, Cambridge, MA 02142, USA, (hereinafter referred to as the "ASSIGNEE") and its successors, assigns and legal representatives, all of my right, title and interest for all countries of the world in and to (1) all of my inventions and discoveries described in the patent application(s) titled

ORGANIC COMPOSITIONS TO TREAT HSF1-RELATED DISEASES

and filed in the United States Patent and Trademark Office on _____, 20__ and accorded Application Number _____* and/or filed in the ROI/ _____ on _____, 20__ and accorded International Patent Application Number PCT/ _____*. (2) the patent application(s) identified in (1), (3) all national stages of any international patent application identified in (1), (4) all other patent applications in all countries and regions claiming the priority of the provisional or non-provisional patent application filed in the United States Patent and Trademark Office on December 18, 2009 and accorded Application Number 81/288,137, (5) for all patent applications, all rights of priority based upon the United States patent application identified in (4) in all countries and regions under the Paris Convention for the Protection of Industrial Property, the Inter-American Convention relating to Inventions, Patents, Designs, and Industrial Models and all other international agreements to which the United States now is or hereafter becomes a signatory and, if the United States patent application identified in (4) is a provisional patent application, under 35 USC 119(e) (including the right to file patent applications on said inventions and discoveries in the names of ASSIGNEE or their designees or in our names, at their election and in accordance with applicable law in all countries and regions), (6) all continuations and divisions of any United States patent application or international patent application designating the United States identified in (1), any national stages of any international application identified in (1) and any patent applications within the scope of (6) (including further continuations and divisions such as, but not limited to, continuations of continuations and continuations of divisions), ((2)-(4) and (6) hereinafter referred to collectively as "patent applications"), (7) all patents that are granted on any of said patent applications, (8) all registrations and confirmations of, and importation certificates based upon, one or more of said patents and applications for such registrations, confirmations and importation certificates and (9) all reissues, renewals and extensions of said patents, registrations, confirmations and importation certificates, reexamination certificates issued for

Executed this 10 day of November, 2010

[Signature] L.S.
Satyanarayana KUCHIMANCHI

ACKNOWLEDGEMENT

State of MA)
County of Middlesex) s.s.

On this 10 day of November, 2010, personally appeared before me Satyanarayana Kuchimanchi to me known and known by me to be the same person described in and who executed the foregoing Assignment and acknowledged that (s)he executed the same of his (her) own free will for the purpose set forth.

(Seal)

[Signature]
Notary Public
LAURA A. RYAN
Notary Public
Commonwealth of Massachusetts
My Commission Expires
October 14, 2016

Executed this 10 day of November, 2010

[Signature] L.S.
Stuart MILSTEIN

ACKNOWLEDGEMENT

State of MA)
County of Middlesex) s.s.

On this 10 day of November, 2010, personally appeared before me Stuart Milstein to me known and known by me to be the same person described in and who executed the foregoing Assignment and acknowledged that (s)he executed the same of his (her) own free will for the purpose set forth.

(Seal)

[Signature]
Notary Public
LAURA A. RYAN
Notary Public
Commonwealth of Massachusetts
My Commission Expires
October 14, 2016

ACCEPTANCE OF ASSIGNMENT

With reference to the Assignment to Alyniam Pharmaceuticals, Inc., of an invention entitled "ORGANIC COMPOSITIONS TO TREAT HSF1-RELATED DISEASES" signed by Gregory HINKLE, Setyanarayana KUCHIMANCHI, Stuart MILSTEIN and Tracy S. ZIMMERMANN; this will certify that Alyniam Pharmaceuticals, Inc., accepts such Assignment.

Alyniam Pharmaceuticals, Inc.

By:

[Signature]

November 11, 2010

Name:

Steve Brossone

Function:

V.P. Intellectual Property

[Signature]

Date:

11/12/2010



LAURA A. KIAN
Notary Public
Commonwealth of Massachusetts
My Commission Expires
October 12, 2016