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SUBMISSION TYPE:		NEW ASSIGNMENT	NEW ASSIGNMENT				
NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT				
CONVEYING PARTY	DATA						
		Name	Name				
PAUL D. GREENSPA	N			11/30/2017			
RECEIVING PARTY I	DATA						
Name:	MILLEN	MILLENNIUM PHARMACEUTICALS, INC.					
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State/Country:	MASSA	MASSACHUSETTS					
Postal Code:	02139	02139					
PROPERTY NUMBE		Number					
Application Number:		17065242					
		17003242					
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ATTORNEY DOCKET NUMBER:		3817.0400004	3817.0400004				
NAME OF SUBMITTER:		BENJAMIN NAGASING	BENJAMIN NAGASING				
SIGNATURE:		/Benjamin Nagasing, Re	/Benjamin Nagasing, Reg. No. 80,168/				
DATE SIGNED:		05/19/2023	05/19/2023				
Total Attachments: 3							
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Docket No. MPI17-026

PATENT

For: U.S. and Foreign RightsFor: U.S. ApplicationBy: Inventors

ASSIGNMENT OF INVENTION

WHEREAS,

ASSIGNOR:

Paul D. Greenspan
8 Overlook Drive
Acton, Massachusetts 01720 USA
Nationality: United States of America

has invented a certain invention entitled:

CYCLIC DINUCLEOTIDE

for which an International PCT Application No. PCT/ 182017	Patent Application	was filed on	Dec. ,	2017, under PC	T .X
Application No. PC II 10 2017	03 1 3 8 8 III			M	, att

WHEREAS,

ASSIGNEE:

MILLENNIUM PHARMACEUTICALS, INC. 40 Landsdowne Street Cambridge, Massachusetts 02139 State of Incorporation: Delaware

is desirous of acquiring ASSIGNOR'S entire domestic and foreign right, title, and interest in and under the invention described in the patent application;

Now, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNOR hereby, without reservations, sells, assigns and transfers to ASSIGNEE, its successors, assigns and legal representatives, his entire right, title and interest in and to the invention in the United States and in every foreign country, and his entire right, title,

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and interest in and to the patent application and such other applications (e.g., provisional applications, non-provisional applications, continuations, continuations-in-part, divisionals, reissues, reexaminations, National phase applications, including petty patent applications and utility model applications) as may be filed on the invention in the United States or in any foreign country, and the patents, extensions, or derivations thereof, both foreign and domestic, that may issue thereon; said invention, applications, and patents to be held and enjoyed by ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said patents may be granted as fully and entirely as the same would have been held by me had this assignment and sale not been made.

ASSIGNOR hereby authorizes the ASSIGNEE to insert in this assignment document the filing date and application number of the application if the date and number are unavailable at the time this document is executed.

ASSIGNOR hereby acknowledges that this assignment, being of my entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein. ASSIGNOR further acknowledges that this assignment carries with it the right in ASSIGNEE to claim under the Patent Cooperation Treaty, the International Convention and/or other international arrangement for any such application the date of the United States application (or any other application on the invention) to gain priority with respect to other applications.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

ASSIGNOR further covenants that I will at any time upon request, without further or additional consideration, but at the expense of the ASSIGNEE, execute and deliver such additional assignments and other writings and do such additional acts as the ASSIGNEE may deem necessary or desirable to perfect the ASSIGNEE's enjoyment of this assignment, and render all necessary assistance in making application for and obtaining original, continuation, continuation-in-part, divisional, reissued, reexamined, and National phase patents of the United States or of any and all foreign countries on the invention, and in enforcing any rights or chooses in action accruing as a result of such applications or patents, and by executing statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representative of all parties hereto.

AND, ASSIGNOR does hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

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IN WITNESS WHEREOF, I have hereunto set my hand this $\frac{36^{12}}{N0000}$ day of ______, 2017. Signature of Inventor: Paul D. Greenspan Witness 1 Signature DAPHNE HOWE Witness I (Typed or Handwritten) Name ST Formandez Circle Randolph MA D2368 USA Witness | Address Witness 2 Signature ANN SHERRY Witness 2 (Typed or Handwritten) Name 46 HURON CIRCLE, DORCHESTER, MA 02124 USA

Witness 2 Address

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