

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
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EPAS ID: PAT3766579

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
FRANCESCO G. SALITURO	02/12/2016
JEFFREY O. SAUNDERS	02/12/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	AGIOS PHARMACEUTICALS, INC
<b>Street Address:</b>	88 SIDNEY STREET
<b>City:</b>	CAMBRIDGE
<b>State/Country:</b>	MASSACHUSETTS
<b>Postal Code:</b>	02139
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	13996286
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<b>ATTORNEY DOCKET NUMBER:</b>	C2081-7023US
<b>NAME OF SUBMITTER:</b>	ASIMINA T. GEORGES EVANGELINOS
<b>SIGNATURE:</b>	/Asimina T. Georges Evangelinos/
<b>DATE SIGNED:</b>	03/03/2016
<b>Total Attachments: 4</b>	
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### ASSIGNMENT

For valuable consideration, we, Francesco G. Salituro of Marlborough, MA and Jeffrey O. Saunders of Lincoln, MA (collectively hereinafter called "the Assignors"), hereby assign to Agios Pharmaceuticals, Inc., a Delaware corporation having a place of business at 88 Sidney Street, Cambridge, MA 02139, and its successors and assigns (collectively hereinafter called "the Assignee"), our entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for the United States Patent entitled:

### BICYCLIC PKM2 ACTIVATORS

having an effective filing date of December 21, 2011, and assigned U.S. Serial Number 13/996,286, this assignment, including said application, and any and all continuations, continuations-in-part, and divisional applications, and any and all United States and foreign patents (including reissues, reexaminations, extensions), utility models, and design registrations granted for any of said inventions or improvements (including without limitation International Patent Application PCT/US2011/066595, filed December 21, 2011 and entitled BICYCLIC PKM2 ACTIVATORS; U.S. Provisional Application No. 61/425,557, filed December 21, 2010 and entitled THERAPEUTICALLY ACTIVE COMPOSITIONS AND THEIR METHODS OF USE; U.S. Provisional Application No. 61/425,499, filed December 21, 2010 and entitled THERAPEUTICALLY ACTIVE COMPOSITIONS AND THEIR METHODS OF USE; U.S. Provisional Application No. 61/425,513, filed December 21, 2010 and entitled THERAPEUTICALLY ACTIVE COMPOSITIONS AND THEIR METHODS OF USE; and U.S. Provisional Application No. 61/425,528, filed December 21, 2010 and entitled THERAPEUTICALLY ACTIVE COMPOSITIONS AND THEIR METHODS OF USE), to this assignment, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventor's certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and

assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment, the effectiveness of this assignment including as of the filing date of the above-identified application and any applications from which the above-identified application claims benefit of.

In the event that the execution date, filing date and/or Application No. are not entered or are incorrect at the time Assignors executed this document, Assignors hereby authorize and request an attorney of Assignee to insert the information or make the correction.

IN TESTIMONY WHEREOF, I, Francesco G. Salituro, have executed this document on the date indicated below.

Francesco G. Salituro  
Signature of Inventor

2-12-2016  
Date

Marlborough, MA  
Inventor's City, State of Residence

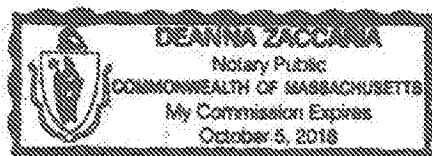
COMMONWEALTH OF MASSACHUSETTS:  
COUNTY OF Middlesex :

On this 12<sup>th</sup> day of February, 2016, before me, the undersigned notary public, personally appeared Francesco Salituro, proved to me through satisfactory evidence of identification, which was Driver License, to be the person whose name is signed on the preceding or attached document in my presence.


SEAL

Deanna Zaccaria  
Notary Public

My Commission Expires: October 5, 2018



IN TESTIMONY WHEREOF, I, Jeffrey O. Saunders, have executed this document on the date indicated below.

  
Signature of Inventor

12. Feb. 2016  
Date

Lincoln, MA  
Inventor's City, State of Residence

COMMONWEALTH OF MASSACHUSETTS:  
COUNTY OF Middlesex:

On this 12<sup>th</sup> day of February, 2016, before me, the undersigned notary public, personally appeared Jeffrey O. Saunders, proved to me through satisfactory evidence of identification, which was personal knowledge, to be the person whose name is signed on the preceding or attached document in my presence.

SEAL

  
Notary Public  
My Commission Expires: 01/06/2023

