

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Ivan Coulter</td> <td>08/07/2013</td> </tr> <tr> <td>Bernard Francis McDonald</td> <td>08/07/2013</td> </tr> <tr> <td>Vincenzo Aversa</td> <td>08/07/2013</td> </tr> <tr> <td>Monica Rosa</td> <td>08/07/2013</td> </tr> </tbody> </table>		Name	Execution Date	Ivan Coulter	08/07/2013	Bernard Francis McDonald	08/07/2013	Vincenzo Aversa	08/07/2013	Monica Rosa	08/07/2013		
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<table border="1"> <tr> <td>Name:</td> <td>Sigmoid Pharma Limited</td> </tr> <tr> <td>Street Address:</td> <td>Invent Centre</td> </tr> <tr> <td>Internal Address:</td> <td>Dublin City University</td> </tr> <tr> <td>City:</td> <td>Dublin</td> </tr> <tr> <td>State/Country:</td> <td>IRELAND</td> </tr> <tr> <td>Postal Code:</td> <td>9</td> </tr> </table>		Name:	Sigmoid Pharma Limited	Street Address:	Invent Centre	Internal Address:	Dublin City University	City:	Dublin	State/Country:	IRELAND	Postal Code:	9
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PROPERTY NUMBERS Total: 1													
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13935859</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13935859								
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CORRESPONDENCE DATA													
Fax Number: 5035955301 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 5035955300 Email: molly.edwards@klarquist.com Correspondent Name: Wayne W. Rupert, Klarquist Sparkman, LLP Address Line 1: 121 SW Salmon Street, Suite 1600 Address Line 2: One World Trade Center Address Line 4: Portland, OREGON 97204													
NAME OF SUBMITTER:	Wayne Rupert												
Signature:	/Wayne Rupert/												

Date:

09/30/2013

Total Attachments: 5

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THIS ASSIGNMENT IS MADE the *7th* day of *August* 2013

BETWEEN

1. (i) **Ivan Coulter**, of 25 Seamount, Mount Merrion, Co. Dublin, Ireland,
(ii) **Bernard Francis McDonald**, of Comaghy, Mullyash, Castleblayney, Co. Monaghan, Ireland,
(iii) **Vincenzo Aversa**, of 69 Cedar Square, Ridgewood, Swords, Co. Dublin, Ireland,
(iv) **Mónica Rosa**, of 49 Block C, The Old Distillery, Beresford Street, Dublin 7, Ireland,

all of the foregoing jointly being referred to hereafter as "the Inventors"; and

2. **Sigmoid Pharma Limited** ("Sigmoid Pharma"), an Irish company whose registered office is at Invent Centre, Dublin City University, Dublin 9, Ireland.

Introduction

- A. The Inventors are devisors of an invention ("the Invention") which is the subject of PCT Patent Application No. PCT/GB2013/064327 entitled "Formulations" ("the Application") and having a filing date of July 5, 2013.
- B. When the Inventors devised their contributions to the Invention, Sigmoid Pharma was their employer and, pursuant to Irish Law, was entitled to the Invention and the Application.
- C. The Application claims priority from GB patent application number GB121201.1, filed July 5, 2012 and US provisional application number 61/762,066, filed March 14, 2013 ("the Priority Applications"). The Inventors have each assigned all right title and interest in the Priority Applications and the inventions described in the Priority Applications to Sigmoid Pharma by virtue of assignments dated August 27, 2012 and May 9, 2013.
- D. The parties to this assignment wish to record their agreement to the inventorship position stated in Clause A and as precaution against any rights remaining with the Inventors contrary to their intentions, wish to effect assignment to Sigmoid Pharma of any and all right, title and interest to the Application.

Operative Clauses

1. The Inventors and Sigmoid Pharma hereby confirm their belief that the Inventors are the sole devisors of the Invention.
2. The Inventors and Sigmoid Pharma agree that, as between the Inventors and Sigmoid Pharma, the Invention, the Application and all related intellectual property rights (in particular but without limitation the right to apply for and be granted patents for the

Invention in or for any part of the world, and the right to claim priority from the Application) are the property of Sigmoid Pharma pursuant to the Inventors' employment by Sigmoid Pharma, the circumstances of that employment and the operation of the law of Ireland.

3. In consideration of the sum of €1.00 now paid by Sigmoid Pharma to each Inventor (receipt of which each of the Inventors hereby acknowledges) the Inventors each hereby assign absolutely to Sigmoid Pharma any and all right, title and interest they have in and to the Invention and the Application and the full and exclusive benefit thereof, including without limitation the right to claim priority from the Application and including any and all future international, national phase, regional phase, divisional, continuing, substitute, renewal, reissue, patent extensions, supplementary protection certificates and all other applications and patents which:

- i. are derived directly or indirectly from the Application; and/or
- ii. claim priority from the Application; and/or
- iii. claim and/or disclose the Invention.

TOGETHER WITH the right to recover, and take all such proceedings as may be necessary for the recovery of, damages or other forms of relief in respect of all infringements of the Application whether taking place before or after the date of this Assignment TO HOLD the same unto Sigmoid Pharma absolutely.

4. The Inventors hereby covenant with Sigmoid Pharma, when requested and at the expense of Sigmoid Pharma, to carry out in good faith the intent and purpose of this assignment, to promptly execute, sign and do all such instruments, applications, documents, acts and things as may reasonably be required by Sigmoid Pharma for Sigmoid Pharma or the nominee of Sigmoid Pharma to enjoy the full benefit of the property and rights hereby assigned, including without limitation execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on the Invention; execute all rightful oaths, declarations, assignments, powers of attorney, and other papers; communicate to Sigmoid Pharma all facts known to them relating to the Invention and the history thereof; and generally do everything possible which Sigmoid Pharma shall consider desirable for vesting title to the Invention in Sigmoid Pharma or such parties to whom Sigmoid Pharma may assign its rights in the Invention, and for securing, maintaining, and enforcing proper patent protection for the Invention including without limitation cooperating in any proceedings involving oppositions, invalidity actions and infringement.
5. Ivan Coulter hereby irrevocably appoints Sigmoid Pharma as Attorney in his name and on his behalf to execute and do any instrument or thing as may be required by Sigmoid Pharma to enable Sigmoid Pharma to enjoy the full benefit of the rights assigned by this Assignment and in favour of any third party a certificate signed by any Officer of

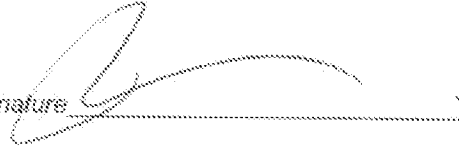
Sigmoid Pharma that any instrument or act falls within such authority shall be conclusive evidence that such is the case.

6. Bernard Francis McDonald hereby irrevocably appoints Sigmoid Pharma as his Attorney in his name and on his behalf to execute and do any instrument or thing as may be required by Sigmoid Pharma to enable Sigmoid Pharma to enjoy the full benefit of the rights assigned by this Assignment and in favour of any third party a certificate signed by any Officer of Sigmoid Pharma that any instrument or act falls within such authority shall be conclusive evidence that such is the case.
7. Vincenzo Aversa hereby irrevocably appoints Sigmoid Pharma as his Attorney in his name and on his behalf to execute and do any instrument or thing as may be required by Sigmoid Pharma to enable Sigmoid Pharma to enjoy the full benefit of the rights assigned by this Assignment and in favour of any third party a certificate signed by any Officer of Sigmoid Pharma that any instrument or act falls within such authority shall be conclusive evidence that such is the case.
8. Mónica Rosa hereby irrevocably appoints Sigmoid Pharma as her Attorney in her name and on her behalf to execute and do any instrument or thing as may be required by Sigmoid Pharma to enable Sigmoid Pharma to enjoy the full benefit of the rights assigned by this Assignment and in favour of any third party a certificate signed by any Officer of Sigmoid Pharma that any instrument or act falls within such authority shall be conclusive evidence that such is the case.
9. Sigmoid Pharma accepts the above assignment.
10. This Agreement shall be governed by and interpreted in accordance with the law of Ireland and the parties hereby submit to the non-exclusive jurisdiction of the courts of Ireland.

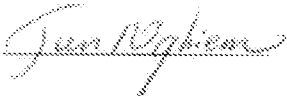
IN WITNESS of which this Assignment has been executed and delivered the date and year first above written

Signed by Ivan Coulter

in the presence of:

Signature 

Witness

Signature 

Name:

TIEN KERNIEM

Address:

17 Foxbathcragh Court
 Lucan
 Co. Dublin
 Ireland

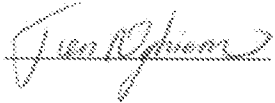
Signed by Bernard Francis McDonald

Signature 

in the presence of:

Witness

Signature



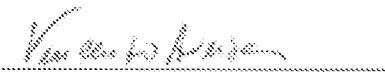
Name:

T.IEN NGAIEM

Address:

17 Foxborough Court
Lucan
Co. Dublin
Ireland

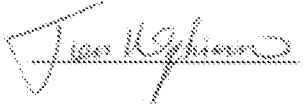
Signed by Vincenzo Aversa

Signature 

in the presence of:

Witness

Signature



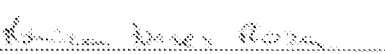
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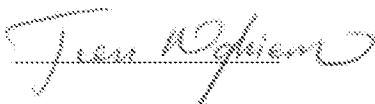
Signed by Mónica Rosa

Signature 

in the presence of:

Witness

Signature



Name:

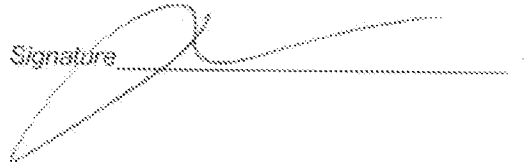
T.IEN NGAIEM

Address:

17 Foxborough Court
Lucan
Co. Dublin
Ireland

Signed by Ivan Coulter,
Director, for and on behalf of
Sigmoid Pharma Limited

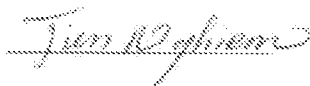
Signature



in the presence of:

Witness

Signature



Name:

...JEN. NGUYEN...

Address:

...17. Salthorough Court
...Dublin
...Co. Dublin
...Ireland