

Application No.: 11/020,860

For: MACROLIDES

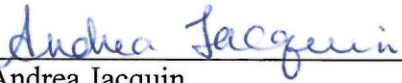
PATENT OWNER'S POWER OF ATTORNEY IN AN *INTER PARTES* REVIEW

Patent Owner Novartis AG ("Novartis") hereby appoints Nicholas N. Kallas (Reg. No. 31,530) and Raymond R. Mandra (Reg. No. 34,382) as its attorneys to prosecute the aforementioned proceeding and to transact all business in the United Patent and Trademark Office connected therewith.

Please address all correspondence as follows:

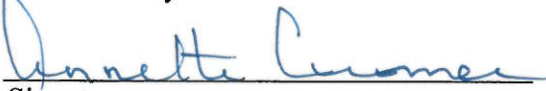
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Dated: November 9, 2015



Andrea Jacquin
Novartis Pharmaceuticals Corporation
One Health Plaza
East Hanover, NJ 07936-1080


Witnessed by:



Signature


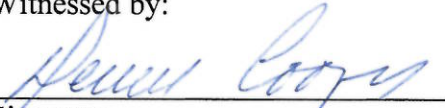
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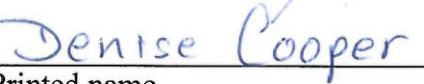
Dated: November 9, 2015



Gregory Ferraro
Novartis Pharmaceuticals Corporation
One Health Plaza
East Hanover, NJ 07936-1080

Witnessed by:



Signature


Printed name

By this Power of Attorney, effective 01 January 2015, Novartis AG, a company incorporated under the laws of Switzerland and having its principal place of business at Lichtstrasse 35, 4056 Basel, Switzerland (“the Company”), hereby grants to the Novartis Group Companies listed below (“the Corporate Signatories”):

- a) the revocable authority to sign documents on behalf of the Company in connection with filing, prosecution, maintenance, and administration of any intellectual property right for copyright, design, domain name, patent, supplementary protection certificate (SPC) and trademark registration or any application therefore standing in the name of the Company (“IP”);
- b) the revocable authority to sign documents on behalf of the Company in connection with litigation relating to defense of IP before a governmental authority; and
- c) the revocable authority to sign Confirmatory Assignments on behalf of the Company. “Confirmatory Assignments” are agreements between the Company and a third party or a Novartis Group entity that do not create new rights or obligations for the Company, such rights having been created by an underlying agreement (e.g. acquisition/divestment agreement, research funding/collaboration agreement, and the like) and whereby the Confirmatory Assignment merely executes the transfer of IP as agreed in such underlying agreement;

and for no other purposes.

This Power of Attorney **excludes the power to conclude contracts, other than Confirmatory Assignments, or to enter into settlements on behalf of the Company.** The terms “contracts” and “settlements” include license agreements, acquisition/divestment agreements, assignments, prior right agreements and/or letters of consent.

This Power of Attorney includes the power to appoint external agents within the scope of this Power of Attorney.

To be legally binding upon the Company, all relevant documents require the signature of two employees of the Corporate Signatory as set out below (“Personal Signatories”) authorized to sign for the respective Corporate Signatory, except where a single Personal Signatory is permitted according to the Novartis internal “Intellectual Property Signature Guidelines” .

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