

TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

ETAS ID: TM405080

SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	RELEASE OF SECURITY INTEREST		
CONVEYING PARTY DATA			
Name	Formerly	Execution Date	Entity Type
AVENTISUB LLC		11/09/2016	Limited Liability Company: DELAWARE
RECEIVING PARTY DATA			
Name:	MANKIND CORPORATION		
Street Address:	28903 North Avenue Paine		
City:	Valencia		
State/Country:	CALIFORNIA		
Postal Code:	91355		
Entity Type:	Corporation: DELAWARE		
PROPERTY NUMBERS Total: 17			
Property Type	Number	Word Mark	
Registration Number:	3686097		
Registration Number:	3797553	X	
Registration Number:	3411049	X	
Registration Number:	3565822	AFRESA	
Registration Number:	3675719	AFRESA	
Registration Number:	3858037	AFREZZA	
Registration Number:	3815780	BLUHALE	
Registration Number:	3915028	BLUHALE	
Registration Number:	4159235	CRICKET	
Registration Number:	4132297	DREAMBOAT	
Registration Number:	3411048	MANKIND	
Registration Number:	3794961	MANKIND	
Registration Number:	2925209	MEDTONE	
Registration Number:	4283417	OUR FOCUS IS PATIENTS, OUR PASSION IS IN	
Registration Number:	4110338	OUR FOCUS IS PATIENTS, OUR PASSION IS IN	
Registration Number:	2646204	TECHNOSPHERE	
Registration Number:	4386421	TECHNOSPHERE	
CORRESPONDENCE DATA			
TRADEMARK			

CH \$440.00 3686097

Fax Number: 8585506420

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 858-550-6403

Email: erin.obrien@cooley.com

Correspondent Name: Erin O'Brien

Address Line 1: c/o Cooley LLP

Address Line 2: 4401 Eastgate Mall

Address Line 4: San Diego, CALIFORNIA 92121

ATTORNEY DOCKET NUMBER:	303222-106 Mannkind
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NAME OF SUBMITTER:	Erin O'Brien
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SIGNATURE:	/Erin O'Brien/
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DATE SIGNED:	11/10/2016
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Total Attachments: 7

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RELEASE OF SECURITY INTEREST IN TRADEMARKS

This **RELEASE OF SECURITY INTEREST IN TRADEMARKS** (the "Release") is made as of November 9, 2016, from AVENTISUB LLC, a Delaware limited liability company ("Grantee") to MANNKIND CORPORATION, a Delaware corporation ("Grantor")

RECITALS

WHEREAS, pursuant to the terms and conditions of that certain Trademark Security Agreement, dated as of September 23, 2014, by and between Grantor and Grantee (the "Trademark Security Agreement"), Grantor granted to Grantee a continuing security interest in and to all of Grantor's right, title and interest in, to and under the Trademark Collateral (as defined in the Trademark Security Agreement), which includes, without limitation, the United States trademarks and trademark registrations set forth on Schedule A attached hereto, in each case, together with the goodwill associated therewith, and all products and proceeds of the foregoing;

WHEREAS, the Trademark Security Agreement was recorded with the United States Patent and Trademark Office ("PTO") on September 26, 2014, at Reel/Frame: 5369/0530;

WHEREAS, Grantee now desires to terminate and release the entirety of its security interest in the Trademark Collateral;

NOW, THEREFORE, for good and valuable consideration, including the satisfaction of all obligations, indebtedness and liabilities secured by the Trademark Collateral pursuant to the Security Agreement (as defined in the Trademark Security Agreement), the receipt and sufficiency of which are hereby acknowledged, and upon the terms set forth in this Release:

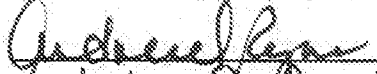
1. Grantee hereby terminates, cancels, releases, and discharges any and all security interests in, and claims against, the Trademark Collateral, and any right, title or interest of Grantee in and to such Trademark Collateral shall hereby cease and become void.
2. Grantee hereby authorizes and directs the Commissioner of the PTO and any other applicable government officials to record this Release.
3. Grantor and Grantee hereby agree that this Release may be executed in one or more counterparts, and by the different parties hereto in separate counterparts, each of which when executed shall be deemed to be an original, but all of which taken together shall constitute one and the same agreement. Delivery of an executed counterpart of a signature page of this Release by facsimile or email shall be as effective as if the original signature had been delivered to the other party.
4. Grantor and Grantee hereby agree that this Release shall be governed by and construed in accordance with the laws of the State of New York without regard to principles of conflicts of law.

IN WITNESS WHEREOF, the undersigned have executed this Release by its duly authorized officers as of the date first above written.

Signed this 9 day of November, 2016.

AVENTISUB LLC
a Delaware limited liability company

By:
Name
Title

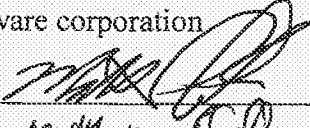

Andrew D. Ryan
Secretary

[Signature Page to Trademark Security Agreement]

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Acknowledged:

MANNKIND CORPORATION,
a Delaware corporation


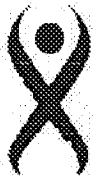

By: 
Name: Matthew Parker
Title: CEO

SCHEDULE A

to

Trademark Security Agreement

U.S. TRADEMARK REGISTRATIONS

Mark	Country	Status	Applic. No./ File Date	Reg. No./ Reg. Date	Class/Goods/Services
	USA	Registered	77/977193 09-29-2008	3,686,097 09-22-09	<p>Class 5 - Pharmaceutical preparations for the treatment of metabolic and endocrine diseases, namely, diabetes; pharmaceutical preparations containing insulin</p> <p>Class 10 - Medical devices, namely, inhaler systems comprising inhalers and cartridges for administration of pharmaceuticals; inhalers; cartridges; all provided empty</p>
	USA	Registered	77/979308 01-29-2008	379553 06-01-2010	<p>Class 5 - Pharmaceutical preparations, namely, pharmaceutical preparations for the treatment of diabetes, cancer, endocrine diseases and disorders, metabolic diseases and disorders, and neoplastic diseases and disorders</p> <p>Class 10 - Medical devices, namely, devices for the administration of insulin, inhaler systems comprising inhalers and cartridges for administration of pharmaceuticals, and inhalers, and cartridges for use with inhalers, all provided empty; medical devices in the nature of inhalers used to measure patient inhalation effort and to train patients in personal inhaler use, medical devices in the nature of inhalers with features for measuring respiratory effort and facilitating the training of patients in use of inhalers, medical devices in the nature of inhalers with features for the measurement of respiratory patterns of patients, medical devices included as a component of inhaler systems for medical use, namely, patient monitors for monitoring and measuring respiration, apparatus for diagnosing or treating respiratory conditions, medical devices included as a component of inhaler systems for medical use, namely, devices used to indicate dosing of medication, medical devices included as a component of inhaler systems for medical use, namely devices used to transmit and receive data regarding inhalation, respiration, or dosage</p>
	USA	Registered	78/979849 08-09-2005	3411049 04-08-2008	<p>Class 5 - Pharmaceutical preparations for the treatment of cancer and diabetes</p>

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AFRESA	USA	Registered	77/976359 03-27-2007	3565822 01-20-2009	Class 5 - Pharmaceutical preparations for the treatment of metabolic and endocrine diseases and disorders, namely, diabetes
AFRESA	USA	Registered	77/630270 12-10-2008	3,675,719 09-01-09	Class 10 - medical devices, namely, inhaler systems comprised of inhalers and cartridges for administration of pharmaceuticals, inhalers, cartridges; all provided empty
AFREZZA	USA	Registered	77/808079 08-19-09	3,858,037 10-05-2010	Class 5 - Pharmaceutical preparations, namely, pharmaceutical preparations for the treatment of diabetes, endocrine diseases and disorders, metabolic diseases and disorders; pharmaceutical preparations containing insulin Class 10 - medical devices, namely inhalers, cartridges, and inhaler systems comprising inhalers and cartridges for administration of pharmaceuticals, all provided empty; medical devices, namely, instruments and apparatus provided empty used for the inhalation of pharmaceuticals
BLUHALE	USA	Registered	77/979354 07-29-2008	3,815,780 07-06-2010	Class 10 - Medical devices, namely, inhalers provided empty used to measure patient inhalation effort and to train patients in personal inhaler use with features for measuring respiratory effort and facilitating the training of patients in use of inhalers and to transmit and receive data regarding inhalation, respiration, or dosage
BLUHALE	USA	Registered	77/848336 10-14-09	3,915,028 02-01-2011	Class 10 - Medical devices in the nature of inhalers used to measure patient inhalation effort and to train patients in personal inhaler use, medical devices in the nature of inhalers with features for measuring respiratory effort and facilitating the training of patients in use of inhalers, medical devices in the nature of inhalers with features for the measurement of respiratory patterns of patients, medical devices included as a component of inhaler systems for medical use, namely, patient monitors for monitoring and measuring respiration, medical devices included as a component of inhaler systems for medical use, namely, devices used to indicate dosing of medication, medical devices included as a component of inhaler systems for medical use, namely, devices used to transmit and receive data regarding inhalation, respiration, or dosage
CRICKET	USA	Registered	85/976577 11-04-2010	4,159,235 06-12-2012	Class 42 - Scientific and medical research and development in the fields of pharmaceuticals, and medical devices and medical technology used in connection with the delivery of pharmaceuticals via inhalation; Product design and development for others for drug delivery systems, and medical devices and medical technology used in connection with the

					delivery of pharmaceuticals via inhalation Class 45 - Licensing to others of technology and intellectual property in connection with drug formulations and medical devices used in connection with the delivery of pharmaceuticals via inhalation
DREAMBOAT	USA	Registered	77/909341 01-11-2010	4132297 04-24-2012	Class 42 - Scientific and medical research and development in the field of medical devices, including, inhalers and drug delivery systems; product design and development for others for medical technology, and drug delivery systems Class 45 - Licensing to others of technology and intellectual property in connection with devices
MANKIND	USA	Registered	78/979848 05-16-2005	3411048 04-08-2008	Class 5 - Pharmaceutical preparations for the treatment of cancer and diabetes
MANKIND	USA	Registered	77/979267 01-29-2008	3,794,961 05-25-2010	Class 5 - Pharmaceutical preparations, namely, pharmaceutical preparations for the treatment of diabetes, cancer, endocrine diseases and disorders, metabolic diseases and disorders, and neoplastic diseases and disorders Class 10 - Medical devices, namely, devices for the administration of insulin, inhaler systems comprising inhalers and cartridges for administration of pharmaceuticals, and inhalers, and cartridges for use with inhalers, all provided empty; medical devices in the nature of inhalers used to measure patient inhalation effort and to train patients in personal inhaler use, medical devices in the nature of inhalers with features for measuring respiratory effort and facilitating the training of patients in use of inhalers, medical devices in the nature of inhalers with features for the measurement of respiratory patterns of patients, medical devices included as a component of inhaler systems for medical use, namely, patient monitors for monitoring and measuring respiration, apparatus for diagnosing or treating respiratory conditions, medical devices included as a component of inhaler systems for medical use, namely, devices used to indicate dosing of medication, medical devices included as a component of inhaler systems for medical use, namely, devices used to transmit and receive data regarding inhalation, respiration, or dosage
MEDTONE	USA	Registered	78/353136 01-16-2004	2,925,209 02-08-2005	Class 10 - Medical devices, namely, dry powder inhalers
OUR FOCUS IS PATIENTS, OUR PASSION IS INNOVATION	USA	Registered	85/162,975 10-27-2010	4,283,417 01-29-2013	Class 5 - Pharmaceutical preparations, namely, pharmaceutical preparations for the treatment of diabetes, endocrine diseases and disorders, hormonal diseases and disorders, metabolic diseases and disorders; pharmaceutical preparations containing insulin Class 10 - Medical devices, namely,

					inhalers provided empty; medical devices, namely cartridges for use with inhalers, provided empty; medical devices, namely, inhaler systems comprising inhalers and cartridges for administration of pharmaceuticals, provided empty; medical devices namely, instruments and apparatus provided empty used for the inhalation of pharmaceuticals, namely, inhalers, cartridges and inhaler systems comprising inhalers and cartridges
OUR FOCUS IS PATIENTS, OUR PASSION IS INNOVATION	USA	Registered	85/976170 10-27-2010	4,110,338 03-06-2012	Class 42 - Scientific and medical research and development in the fields of medical devices and pharmaceuticals, namely, inhalers and drug delivery systems, drug formulations and pharmaceutical preparations; product design and development for others for medical devices, medical technology, and drug delivery systems Class 45 - Licensing to others of technology and intellectual property in connection with pharmaceuticals and medical devices
TECHNOSPHERE	USA	Registered	75/729807 06-16-1999	2646204 11-05-2002	Class 5 - Chemical preparations sold as a component of pharmaceuticals, that consist of diketopiperazine derivatives which are pH-driven self-assembling, self-disassembling microspheres, that are used to facilitate administration of pharmaceuticals
TECHNOSPHERE	USA	Registered	85/628,505 05-17-2012	4,386,421 08-20-2013	Class 5 - Pharmaceutical preparations, namely, a drug delivery system comprising diketopiperazine derivative particles