Form PTO-1594 (Rev. 03-11) OMB Collection 0651-0027 (exp. 03/31/2012)

U.S. DEPARTMENT OF COMMERCE United States Patent and Trademark Office

RECORDATION FOR TRADEMAI	
To the Director of the U. S. Patent and Trademark Office: Pleas	e record the attached documents or the new address(es) below.
1. Name of conveying party(les):	2. Name and address of receiving party(ies) Additional names, addresses, or citizenship attached?
OraPharma, Inc.	Name: Goldman Sachs Lending Partners LLC Internal
☐ Individual(s) ☐ Association ☐ General Partnership ☐ Limited Partnership	Address:Street Address: 200 West Street
Corporation- State: Delaware Other	City: New York
Citizenship (see guidelines) <u>USA - Delaware</u>	State: <u>NY</u> Country: <u>USA</u> Zip: <u>10282</u>
Additional names of conveying parties attached? Yes No 3. Nature of conveyance)/Execution Date(s):	Association Citizenship General Partnership Citizenship
Execution Date(s)August 2. 2012	Limited Partnership Citizenship
Assignment Merger	X Other_LC Citizenship USA - Delaware
Security Agreement Change of Name Other	If assignee is not domiciled in the United States, a domestic representative designation is attached: Yes No (Designations must be a separate document from assignment)
4. Application number(s) or registration number(s) and A. Trademark Application No.(s)	l identification or description of the Trademark. B. Trademark Registration No.(s)
77/882849	3814408 Additional sheet(s) attached? Yes No
C. Identification or Description of Trademark(s) (and Filing	Date if Application or Registration Number is unknown):
5. Name & address of party to whom correspondence concerning document should be mailed: Name: Michael Violet	6. Total number of applications and registrations involved:
Internal Address: CT Lien Solutions	7. Total fee (37 CFR 2.6(b)(6) & 3.41) \$
Street Address: 4400 Easton Commons Way	Authorized to be charged to deposit account Enclosed
City: Columbus	8. Payment Information:
State; OH Zip: 43212	
Phone Number: 614-280-3303	Deposit Account Number
Fax Number: 800-516-6304 Email Address; MICHAEL.VIOLET@WOLTERSKLUWER.COM	Authorized User Name
9. Signature:	8/2/12
Signature	Date
Nicole Piazza Name of Person Signing	Total number of pages including cover sheet, attachments, and document: 7

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to: Mali Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450

SCHEDULE A to to TRADEMARK SECURITY AGREEMENT

TRADEMARK REGISTRATIONS AND APPLICATIONS

Status	Registered	Registered	Registered	Published		Registered)		Registered	Registered		Registered		Registered		Registered	:
Owner	OraPharma, Inc.	OraPharma, Inc.	OraPharma, Inc.	OraPharma, Inc.		OraPharma, Inc.			OraPharma, Inc.	OraPharma, Inc.		OraPharma, Inc.		OraPharma, Inc.		OraPharma, Inc.	
Registration Number	3814408	3814410	3634007			3783506			592440	2601899		759410		760424	* ** ** ** ** ** ** ** ** ** ** ** ** *	3642165	
Registration Date	7/6/2010	7/6/2010	6/9/2009			5/4/2010			10/16/2003	7/30/2002		2/12/2010		2/26/2010		6/23/2009	
Filing No.	77/882849	77/883123	77/466453	1390002		77/708615			106486200	75/883599		1424298		1424299		77/477598	
Filing Date .	12/1/2009	12/1/2009	2/6/2008	3/28/2008		4/7/2009			0/27/2000	12/29/1999		1/7/2009		1/7/2009		5/19/2008	
Trademark	ACE	ACE (STYLIZED)	ACE PINWHEEL DESIGN	ADVANCING ORAL	HEALTH IMPROVING OVERALL HEALTH	ADVANCING ORAL	HEALTH IMPROVING	OVERALL HEALTH	ARESTIN	ARESTIN		ARESTIN & PINWHEEL	DESIGN	ARESTIN PINWHEEL	DESIGN	ARESTIN PINWHEEL	DESIGN
Country	United States of America	SS	S	Canada		United States	of America		Canada	United States	of America	Canada		Canada		United States	of America

¹ Indicates beneficial and/or record ownership.

Country	Trademark	Filing Date	ing Date Filing No. Registration	. B. 3.77	Registration Owner	Owner ¹	Status
Canada	FIGHT INFECTION	4/3/2008	1389988	3/15/2011	1389988	OraPharma, Inc.	Registered
	RIGHT WHERE IT)
	STARTS						•
Canada	MINOTEK	9/16/2004	1230512			OraPharma, Inc.	
United States	MY PERSONAL	4/7/2008	77/441471	7/20/2010	3822407	OraPharma, Inc.	Registered
of America	STANDARD OF CARE	,					•
United States	MY PERSONAL	4/7/2008	77/441461	8/3/2010	3828798	OraPharma, Inc.	Registered
of America	STANDARD OF CARE	•					•
	AND DESIGN						
United States	MYARESTIN.COM	5/27/2008	77/483515	3/30/2010	3768299	OraPharma, Inc.	Registered
of America							
United States	MYARESTIN.COM	5/27/2008	77/483514	3/30/2010	3768298	OraPharma, Inc.	Registered
of America	(STYLIZED)						
Canada	ORAPHARMA	12/11/2008	1422768	6/15/2010	769658	OraPharma, Inc.	Registered
United States	ORAPHARMA, INC.	12/20/1999	75/878686	9/6/2006	3101024	OraPharma, Inc.	Registered
of America						A A CALLES AND A C	

TRADEMARK SECURITY AGREEMENT

This **TRADEMARK SECURITY AGREEMENT**, dated as of August 2, 2012 (as it may be amended, restated, supplemented or otherwise modified from time to time, this "**Agreement**"), is made by the entity identified as a grantor on the signature pages hereto (the "**Grantor**") in favor of Goldman Sachs Lending Partners LLC, as collateral agent for the Secured Parties (in such capacity, together with its successors and permitted assigns, the "**Collateral Agent**").

WHEREAS, the Grantor is party to the Pledge and Security Agreement, dated as of June 29, 2011, as amended by the Amended and Restated Pledge and Security Agreement, dated as of October 20, 2011, and as further amended by the Second Amended and Restated Pledge and Security Agreement, dated as of February 13, 2012 (as it may be amended, restated, amended and restated, supplemented or otherwise modified from time to time, the "Pledge and Security Agreement"), between the Grantor and the other grantors party thereto and the Collateral Agent pursuant to which the Grantor granted a security interest to the Collateral Agent in the Trademark Collateral (as defined below) and is required to execute and deliver this Agreement.

NOW, THEREFORE, in consideration of the foregoing and for other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Grantor hereby agrees with the Collateral Agent as follows:

SECTION 1. Defined Terms

Unless otherwise defined herein, terms defined in the Pledge and Security Agreement and used herein have the respective meanings given to them in the Pledge and Security Agreement.

SECTION 2. Grant of Security Interest in Trademark Collateral

SECTION 2.1 Grant of Security. The Grantor hereby grants to the Collateral Agent, for the benefit of the Secured Parties, a security interest in and continuing lien on all of the Grantor's right, title and interest in, to and under the following, in each case whether now owned or hereafter acquired by the Grantor or in which the Grantor now has or hereafter acquires any right, title or interest and wherever the same may be located (collectively, the "**Trademark Collateral**"):

all United States and foreign trademarks, trade names, trade dress, corporate names, company names, business names, fictitious business names, Internet domain names, service marks, certification marks, collective marks, logos, other source or business identifiers, designs and general intangibles of a like nature, whether or not registered, and with respect to any and all of the foregoing: (i) all registrations and applications therefor including, without limitation, the registrations and applications listed in Schedule A attached hereto, (ii) all extensions or renewals of any of the foregoing, (iii) all of the goodwill of the business connected with the use of and symbolized by any of the foregoing, (iv) the right to sue or otherwise recover for any past, present and future infringement, dilution or other violation of any of the foregoing or for any injury to the related goodwill, (v) all Proceeds of the foregoing, including, without limitation, license fees, royalties, income, payments, claims, damages and proceeds of suit now or hereafter due and/or payable with respect thereto, and (vi) all other rights of any kind accruing thereunder or pertaining thereto throughout the world.

SECTION 2.2 Certain Limited Exclusions. Notwithstanding anything herein to the contrary, in no event shall the Trademark Collateral include or the security interest granted under Section 2.1 hereof attach to any Excluded Assets, including, without limitation, any "intent-to-use" application for registration of a Trademark filed pursuant to Section 1(b) of the Lanham Act, 15 U.S.C. § 1051, prior to the filing of a "Statement of Use" pursuant to Section 1(d) of the Lanham Act or an "Amendment to Allege Use" pursuant to Section 1(c) of the Lanham Act with respect thereto, solely to the extent, if any, that, and solely during the period, if any, in which, the grant of a security interest therein would impair the validity or enforceability of any registration that issues from such intent-to-use application under applicable Federal law.

SECTION 3. Security Agreement

The security interest granted pursuant to this Agreement is granted in conjunction with the security interest granted to the Collateral Agent for the Secured Parties pursuant to the Pledge and Security Agreement, and the Grantor hereby acknowledges and affirms that the rights and remedies of the Collateral Agent with respect to the security interest in the Trademark Collateral made and granted hereby are more fully set forth in the Pledge and Security Agreement, the terms and provisions of which are incorporated by reference herein as if fully set forth herein. In the event that any provision of this Agreement is deemed to conflict with the Pledge and Security Agreement, the provisions of the Pledge and Security Agreement shall control.

SECTION 4. Governing Law

THIS AGREEMENT AND THE RIGHTS AND OBLIGATIONS OF THE PARTIES HEREUNDER SHALL BE GOVERNED BY, AND SHALL BE CONSTRUED AND ENFORCED IN ACCORDANCE WITH, THE LAWS OF THE STATE OF NEW YORK WITHOUT REGARD TO CONFLICT OF LAWS PRINCIPLES THEREOF.

SECTION 5. Counterparts

This Agreement may be executed in one or more counterparts and by different parties hereto in separate counterparts, each of which when so executed and delivered shall be deemed an original, but all such counterparts together shall constitute but one and the same instrument. Delivery of an executed counterpart to this Agreement by facsimile transmission or other electronic transmission (such as .pdf or .tif) shall be effective as delivery of a manually signed counterpart of this Agreement.

[Remainder of page intentionally left blank]

IN WITNESS WHEREOF, the Grantor has caused this Agreement to be executed and delivered by its duly authorized officer as of the date first set forth above.

ORAPHARMA, INC.

By:

Name:

Janet Vergis

Titlet

President

Accepted and Agreed:

GOLDMAN SACHS LENDING PARTNERS LLC,
as Collateral Agent

By:

Name: Title:

[Signature Page to Trademark Security Agreement (OraPharma)]

Accepted and Agreed:

GOLDMAN SACHS LENDING PARTNERS LLC,

as Collateral Agent

By:

Name: //
Title:

Douglas Tansey Authorized Signatory

[Signature Page to Trademark Security Agreement (OraPharma)]

TRADEMARK
REEL: 004835 FRAME: 0984

RECORDED: 08/02/2012