

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5119634

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT	
NATURE OF CONVEYANCE:	Corrective Assignment to correct the CONVEYING PARTY NAME TO BE CHANGED TO: ARALEZ PHARMACEUTICALS TRADING DESIGNATED ACTIVITY COMPANY previously recorded on Reel 046696 Frame 0772. Assignor(s) hereby confirms the ARALEZ PHARMACEUTICAL TRADING DAC.	
CONVEYING PARTY DATA		
Name		Execution Date
ARALEZ PHARMACEUTICALS TRADING DESIGNATED ACTIVITY COMPANY		08/10/2018
RECEIVING PARTY DATA		
Name:	DEERFIELD MANAGEMENT COMPANY, L.P., AS ADMINISTRATIVE AGENT	
Street Address:	780 THIRD AVENUE, 37TH FLOOR	
City:	NEW YORK	
State/Country:	NEW YORK	
Postal Code:	10017	
PROPERTY NUMBERS Total: 23		
Property Type	Number	
Patent Number:	6645987	
Patent Number:	7304078	
Patent Number:	6894065	
Patent Number:	7488742	
Patent Number:	7235567	
Patent Number:	7772276	
Patent Number:	7541471	
Patent Number:	7605275	
Patent Number:	7713999	
Patent Number:	7687631	
Patent Number:	7915247	
Patent Number:	7569612	
Patent Number:	7626045	
Patent Number:	7741373	
Patent Number:	7989653	
Patent Number:	7741374	
Patent Number:	8329905	

PATENT

Property Type	Number
Patent Number:	8138180
Patent Number:	8258319
Patent Number:	8273790
Patent Number:	8575351
Patent Number:	8618314
Patent Number:	9604971

CORRESPONDENCE DATA

Fax Number:

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: 3125778467

Email: rebecca.paul@kattenlaw.com

Correspondent Name: REBECCA A. PAUL C/O KATTEN MUCHIN ROSENMAN LLP

Address Line 1: 525 WEST MONROE STREET

Address Line 4: CHICAGO, ILLINOIS 60661

NAME OF SUBMITTER:	REBECCA A. PAUL
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SIGNATURE:	/Rebecca A. Paul/
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DATE SIGNED:	08/30/2018
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Total Attachments: 10

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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5109196

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SECURITY INTEREST

CONVEYING PARTY DATA

Name	Execution Date
ARALEZ PHARMACEUTICAL TRADING DAC	08/10/2018

RECEIVING PARTY DATA

Name:	DEERFIELD MANAGEMENT COMPANY, L.P., AS ADMINISTRATIVE AGENT
Street Address:	780 THIRD AVENUE, 37TH FLOOR
City:	NEW YORK
State/Country:	NEW YORK
Postal Code:	10017

PROPERTY NUMBERS Total: 23

Property Type	Number
Patent Number:	6645987
Patent Number:	7304078
Patent Number:	6894065
Patent Number:	7488742
Patent Number:	7235567
Patent Number:	7541471
Patent Number:	7605275
Patent Number:	7626045
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Patent Number:	7989653
Patent Number:	8138180
Patent Number:	8258319
Patent Number:	8273790
Patent Number:	8618314
Patent Number:	7713999
Patent Number:	7687631
Patent Number:	8329905
Patent Number:	8575351
Patent Number:	9604971
Patent Number:	7569612

PATENT

REEL: 046988 FRAME: 0743



UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

AUGUST 27, 2018

PTAS

REBECCA A. PAUL C/O KATTEN MUCHIN
ROSENMAN LLP
525 WEST MONROE STREET
CHICAGO, IL 60661

505062441

UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT RECORDATION BRANCH OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE ASSIGNMENT RECORDATION BRANCH AT 571-272-3350. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, MAIL STOP: ASSIGNMENT RECORDATION BRANCH, P.O. BOX 1450, ALEXANDRIA, VA 22313.

RECORDATION DATE: 08/24/2018

REEL/FRAME: 046696/0772
NUMBER OF PAGES: 8

BRIEF: SECURITY INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

ARALEZ PHARMACEUTICAL TRADING DAC

DOC DATE: 08/10/2018

ASSIGNEE:

DEERFIELD MANAGEMENT COMPANY, L.P.,
AS ADMINISTRATIVE AGENT
780 THIRD AVENUE, 37TH FLOOR
NEW YORK, NEW YORK 10017

APPLICATION NUMBER: 09880222

FILING DATE: 06/13/2001

PATENT NUMBER: 6645987

ISSUE DATE: 11/11/2003

TITLE: NOR-SECO HIMBACINE DERIVATIVES USEFUL AS THROMBIN RECEPTOR
ANTAGONISTS

APPLICATION NUMBER: 10412982

FILING DATE: 04/14/2003

PATENT NUMBER: 7304078

ISSUE DATE: 12/04/2007

TITLE: THROMBIN RECEPTOR ANTAGONISTS

APPLICATION NUMBER: 10457256

FILING DATE: 06/09/2003

PATENT NUMBER: 6894065

ISSUE DATE: 05/17/2005

TITLE: THROMBIN RECEPTOR ANTAGONISTS

APPLICATION NUMBER: 10671216
PATENT NUMBER: 7488742
TITLE: THROMBIN RECEPTOR ANTAGONISTS

FILING DATE: 09/25/2003
ISSUE DATE: 02/10/2009

APPLICATION NUMBER: 10755066
PATENT NUMBER: 7235567
TITLE: CRYSTALLINE POLYMORPH OF A BISULFATE SALT OF A THROMBIN RECEPTOR ANTAGONIST

FILING DATE: 01/09/2004
ISSUE DATE: 06/26/2007

APPLICATION NUMBER: 11330521
PATENT NUMBER: 7772276
TITLE: EXO-SELECTIVE SYNTHESIS OF HIMBACINE ANALOGS

FILING DATE: 01/12/2006
ISSUE DATE: 08/10/2010

APPLICATION NUMBER: 11330935
PATENT NUMBER: 7541471
TITLE: SYNTHESIS OF HIMBACINE ANALOGS

FILING DATE: 01/12/2006
ISSUE DATE: 06/02/2009

APPLICATION NUMBER: 11331324
PATENT NUMBER: 7605275
TITLE: EXO- AND DIASTEREO- SELECTIVE SYNTHESSES OF HIMBACINE ANALOGS

FILING DATE: 01/12/2006
ISSUE DATE: 10/20/2009

APPLICATION NUMBER: 11733635
PATENT NUMBER: 7713999
TITLE: THROMBIN RECEPTOR ANTAGONISTS

FILING DATE: 04/10/2007
ISSUE DATE: 05/11/2010

APPLICATION NUMBER: 11824245
PATENT NUMBER: 7687631
TITLE: SYNTHESIS OF
DIETHYL{[5-(3-FLUOROPHENYL)-PYRIDINE-2YL]METHYL}PHOSPHONATE

FILING DATE: 06/29/2007
ISSUE DATE: 03/30/2010

APPLICATION NUMBER: 12141280
PATENT NUMBER: 7915247
TITLE: METHODS OF USE OF FENOFIBRIC ACID

FILING DATE: 06/18/2008
ISSUE DATE: 03/29/2011

APPLICATION NUMBER: 12141377
PATENT NUMBER: 7569612
TITLE: METHODS OF USE OF FENOFIBRIC ACID

FILING DATE: 06/18/2008
ISSUE DATE: 08/04/2009

APPLICATION NUMBER: 12428773
PATENT NUMBER: 7626045
TITLE: SYNTHESIS OF HIMBACINE ANALOGS

FILING DATE: 04/23/2009
ISSUE DATE: 12/01/2009

APPLICATION NUMBER: 12501678
PATENT NUMBER: 7741373
TITLE: METHODS OF USE OF FENOFIBRIC ACID

FILING DATE: 07/13/2009
ISSUE DATE: 06/22/2010

APPLICATION NUMBER: 12505079
PATENT NUMBER: 7989653
TITLE: EXO- AND DIASTEREO- SELECTIVE SYNTHESSES OF HIMBACINE ANALOGS

FILING DATE: 07/17/2009
ISSUE DATE: 08/02/2011

APPLICATION NUMBER: 12556644
PATENT NUMBER: 7741374
TITLE: METHODS OF USE OF FENOFIBRIC ACID

FILING DATE: 09/10/2009
ISSUE DATE: 06/22/2010

APPLICATION NUMBER: 12701174
PATENT NUMBER: 8329905
TITLE: SYNTHESIS OF
DIETHYL{[5-(3-FLUOROPHENYL)-PYRIDINE-2YL]METHYL}PHOSPHONATE

FILING DATE: 02/05/2010
ISSUE DATE: 12/11/2012

APPLICATION NUMBER: 12827000 FILING DATE: 06/30/2010
PATENT NUMBER: 8138180 ISSUE DATE: 03/20/2012
TITLE: EXO-SELECTIVE SYNTHESIS OF HIMBACINE ANALOGS

APPLICATION NUMBER: 13168029 FILING DATE: 06/24/2011
PATENT NUMBER: 8258319 ISSUE DATE: 09/04/2012
TITLE: EXO- AND DIASTEREO- SELECTIVE SYNTHESIS OF HIMBACINE ANALOGS

APPLICATION NUMBER: 13370768 FILING DATE: 02/10/2012
PATENT NUMBER: 8273790 ISSUE DATE: 09/25/2012
TITLE: EXO-SELECTIVE SYNTHESIS OF HIMBACINE ANALOGS

APPLICATION NUMBER: 13376093 FILING DATE: 04/19/2012
PATENT NUMBER: 8575351 ISSUE DATE: 11/05/2013
TITLE: ACTIVE METABOLITE OF A THROMBIN RECEPTOR ANTAGONIST

APPLICATION NUMBER: 13563136 FILING DATE: 07/31/2012
PATENT NUMBER: 8618314 ISSUE DATE: 12/31/2013
TITLE: EXO- AND DIASTEREO- SELECTIVE SYNTHESIS OF HIMBACINE ANALOGS

APPLICATION NUMBER: 14905193 FILING DATE: 01/14/2016
PATENT NUMBER: 9604971 ISSUE DATE: 03/28/2017
TITLE: CO-CRYSTAL OF THE PAR-1 RECEPTOR ANTAGONISTS VORAPAXAR AND
ASPRIN

ASSIGNMENT RECORDATION BRANCH
PUBLIC RECORDS DIVISION

NOTICE
OF
GRANT OF SECURITY INTEREST
IN
PATENTS

United States Patent and Trademark Office

Ladies and Gentlemen:

Please be advised that pursuant to the Super-Priority Debtor-in-Possession Security and Pledge Agreement dated as of August 10, 2018 (as the same may be amended, modified, extended or restated from time to time, the "Agreement") by and among the Obligor party thereto (each an "Obligor" and collectively, the "Obligors") and Deerfield Management Company, L.P., a Delaware limited partnership, as administrative agent (in such capacity, together with its successors and assigns in such capacity, the "Administrative Agent") for the Secured Parties, the undersigned Obligor has granted a continuing security interest in, and a right to set off against, any and all right, title and interest of such Obligor in and to the patents and patent applications set forth on Schedule 1 hereto to the Administrative Agent for the Secured Parties. Capitalized terms used herein without definition shall have the meanings assigned to them in the Agreement, or if not defined therein, in the Credit Agreement (as defined in the Agreement).

The undersigned Obligor and the Administrative Agent, on behalf of the Secured Parties, hereby acknowledge and agree that the security interest in the foregoing patents and patent applications (i) may only be terminated in accordance with the terms of the Agreement and (ii) is not to be construed as an assignment of any patent or patent application.

Very truly yours,

ARALEZ PHARMACEUTICALS TRADING

DESIGNATED ACTIVITY COMPANY

By: 

Name: Andrew I. Koven

Title: Director

Acknowledged and Accepted:

DEERFIELD MANAGEMENT COMPANY, L.P.,
as Administrative Agent

By: Flynn Management, LLC, its General Partner

By: _____

Name: David Clark

Title: Authorized Signatory

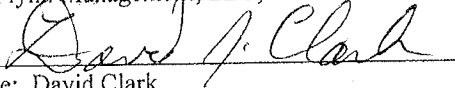
PATENT

REEL: 046988 FRAME: 0747

Acknowledged and Accepted:

DEERFIELD MANAGEMENT COMPANY, L.P.,
as Administrative Agent

By: Flynn Management, LLC, its General Partner

By: 

Name: David Clark

Title: Authorized Signatory

SCHEDULE I**Aralez DAC****Patents:**

Loan Party	Product	Title	Status	Application	Filing Date	Patent	Grant Date
ARALEZ PHARMACEUTIC ALS TRADING DAC	ZONTIVITY	THROMBIN RECEPTOR ANTAGONISTS	Issued	09/880,222	13-Jun-01	6,645,987	11-Nov-03
ARALEZ PHARMACEUTIC ALS TRADING DAC	ZONTIVITY	Thrombin receptor antagonists	Issued	10/412,982	14-Apr-03	7,304,078	4-Dec-07
ARALEZ PHARMACEUTIC ALS TRADING DAC	ZONTIVITY	THROMBIN RECEPTOR ANTAGONISTS	Issued	10/457,256	9-Jun-03	6,894,065	17-May-05
ARALEZ PHARMACEUTIC ALS TRADING DAC	ZONTIVITY	Thrombin receptor antagonists	Issued	10/671,216	25-Sep-03	7,488,742	10-Feb-09
ARALEZ PHARMACEUTIC ALS TRADING DAC	ZONTIVITY	Crystalline polymorph of a bisulfate salt of a thrombin receptor antagonist	Issued	10/755,066	9-Jan-04	7,235,567	26-Jun-07
ARALEZ PHARMACEUTIC ALS TRADING DAC	ZONTIVITY	Synthesis of himbazine analogs	Issued	11/330,935	12-Jan-06	7,541,471	2-Jun-09
ARALEZ PHARMACEUTIC	ZONTIVITY	EXO- AND DIASTEREO- SELECTIVE SYNTHESES OF HIMBACINE ANALOGS	Issued	11/331,324	12-Jan-06	7,605,275	20-Oct-09

Loan Party	Product	Title	Status	Application	Filing Date	Patent	Grant Date
ALS TRADING DAC							
ARALEZ PHARMACEUTIC ALS TRADING DAC	ZONTIVITY	Synthesis of himbacine analogs	Issued	12/428,773	23-Apr-09	7,626,045	1-Dec-09
ARALEZ PHARMACEUTIC ALS TRADING DAC	ZONTIVITY	Exo-selective synthesis of himbacine analogs	Issued	11/330,521	12-Jan-06	7,772,276	10-Aug-10
ARALEZ PHARMACEUTIC ALS TRADING DAC	ZONTIVITY	EXO- AND DIASTEREO-SELECTIVE SYNTHESES OF HIMBACINE ANALOGS	Issued	12/505,079	17-Jul-09	7,989,653	2-Aug-11
ARALEZ PHARMACEUTIC ALS TRADING DAC	ZONTIVITY	EXO-SELECTIVE SYNTHESIS OF HIMBACINE ANALOGS	Issued	12/827,000	30-Jun-10	8,138,180	20-Mar-12
ARALEZ PHARMACEUTIC ALS TRADING DAC	ZONTIVITY	EXO- AND DIASTEREO- SELECTIVE SYNTHESIS OF HIMBACINE ANALOGS	Issued	13/168,029	24-Jun-11	8,258,319	4-Sep-12
ARALEZ PHARMACEUTIC ALS TRADING DAC	ZONTIVITY	EXO-SELECTIVE SYNTHESIS OF HIMBACINE ANALOGS	Issued	13/370,768	10-Feb-12	8,273,790	25-Sep-12
ARALEZ PHARMACEUTIC ALS TRADING DAC	ZONTIVITY	EXO- AND DIASTEREO-SELECTIVE SYNTHESIS OF HIMBACINE ANALOGS	Issued	13/563,136	31-Jul-12	8,618,314	31-Dec-13

Loan Party	Product	Title	Status	Application	Filing Date	Patent	Grant Date
ARALEZ PHARMACEUTIC ALS TRADING DAC	ZONTIVITY	Thrombin receptor antagonists	Issued	11/733,635	10-Apr-07	7,713,999	11-May-10
ARALEZ PHARMACEUTIC ALS TRADING DAC	ZONTIVITY	Synthesis of diethyl[5-(3-fluorophenyl)-pyridine-2-yl]methylphosphonate	Issued	11/824,245	29-Jun-07	7,687,631	30-Mar-10
ARALEZ PHARMACEUTIC ALS TRADING DAC	ZONTIVITY	SYNTHESIS OF DIETHYL[5-(3-FLUOROPHENYL)-PYRIDINE-2YL]METHYLPHOSPHONATE	Issued	12/701,174	5-Feb-10	8,329,905	11-Dec-12
ARALEZ PHARMACEUTIC ALS TRADING DAC	ZONTIVITY	ACTIVE METABOLITE OF A THROMBIN RECEPTOR ANTAGONIST	Issued	13/376,093	19-Apr-12	8,575,351	5-Nov-13
ARALEZ PHARMACEUTIC ALS TRADING DAC	ZONTIVITY	CO-CRYSTAL OF THE PAR-1 RECEPTOR VORAPAXAR AND ASPIRIN	Issued	14/905,193	14-Jan-16	9,604,971	28-Mar-17
ARALEZ PHARMACEUTIC ALS TRADING DAC	FIBRICOR	Methods of use of fenofibric acid	Issued	12/141,377	16-Jun-08	7,569,612	4-Aug-09
ARALEZ PHARMACEUTIC ALS TRADING DAC	FIBRICOR	Methods of use of fenofibric acid	Issued	12/501,678	13-Jul-09	7,741,373	22-Jun-10
ARALEZ PHARMACEUTIC ALS TRADING DAC	FIBRICOR	METHODS OF USE OF FENOFIBRIC ACID	Issued	12/556,644	10-Sep-09	7,741,374	22-Jun-10

Loan Party	Product	Title	Status	Application	Filing Date	Patent	Grant Date
ARALEZ PHARMECEUTIC ALS TRADING DAC	FIBRICOR	Methods of use of fenofibric acid	Issued	12/14/280	18-Jun-08	7,915,247	29-Mar-11

PATENT

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RECORDED: 08/30/2018

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