

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	GENAERA LIQUIDATING TRUST	08/21/2009
RECEIVING PARTY DATA		
Name:	OHR PHARMACEUTICAL, INC.	
Street Address:	489 5TH AVENUE, 28TH FLOOR	
City:	NEW YORK	
State/Country:	NEW YORK	
Postal Code:	10017	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Patent Number:	7074778
CORRESPONDENCE DATA		
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ATTORNEY DOCKET NUMBER:	001216-5008	
NAME OF SUBMITTER:	GREGORY T. LOWEN	
SIGNATURE:	/Gregory T. Lowen/	
DATE SIGNED:	01/28/2015	
Total Attachments: 17		
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ASSIGNMENT OF PATENTS

THIS ASSIGNMENT is made as of this 21st day of August, 2009, by Genaera Liquidating Trust ("Assignor") in favor of Ohr Pharmaceutical, Inc., a Delaware corporation (formerly BBM Holdings, Inc., "Ohr").

RECITALS

A. Reference is made to that certain Asset Purchase Agreement, dated as of August 21, 2009 (the "Asset Purchase Agreement"), by and between Ohr, as Purchaser, and Assignor, as Seller.

B. The terms defined in the Asset Purchase Agreement and not otherwise defined herein shall have the meanings given them in the Asset Purchase Agreement;

C. Assignor is assigning its entire right, title and interest in and to the Patents, Patent Licenses and patent applications listed on Schedule A, attached hereto, and to the inventions described and claimed in those Patents, Patent Licenses and patent applications.

ASSIGNMENT

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignor does hereby sell, transfer, and assign to Ohr, its successors, assigns and legal representatives, all of the rights, title and interests in and to the Patents, Patent Licenses and patent applications, including without limitation, all Patents which may be granted on any of the aforesaid patent applications, the worldwide rights to the inventions described and claimed therein, and reissues, re-examinations, divisions, continuations, renewals, extensions and continuations-in-part therefor throughout the world, together with all rights under the International Convention for the Protection of Industrial Property and any similar treaties or agreements, the same to be held and enjoyed by Ohr for its own use and benefit and the use and benefit of its successors, assigns and legal representatives, as fully and entirely as the same would have been held and enjoyed by Assignor had this Assignment not been made, together with all income, royalties, damages and payments resulting from or attributable to activity or conduct after the effective date of this Assignment, and the right to sue and collect for all future, present and past infringements thereof, together with all causes of action for any and all infringements which may have occurred prior to the execution of this Assignment and the right to receive and retain the proceeds relating to those infringements. Ohr shall have the right to obtain and hold in its name all patents, registrations and similar protection throughout the world which may be available in the Patents, Patent Licenses and patent applications.

Assignor agrees: (a) to execute (i) all necessary papers throughout the world to be used in connection with the Patents, Patent Licenses and patent applications and any reissues, re-

examinations, divisions, continuations, renewals, extensions and continuations-in-part therefor, as Ohr may deem necessary or expedient, (ii) all papers in connection with any interference, legal or other proceedings throughout the world to maintain, protect or enforce, or otherwise relating to, the Patents, Patent Licenses and Patent Applications or any reissues, divisions, continuations, renewals, extensions and continuations-in-part therefor, and (iii) all papers and documents which may be necessary throughout the world in connection with the preparation and filing of any foreign applications or with making claims to priority rights granted under the provisions of the International Convention for Protection of Industrial Property or similar agreements; (b) to cooperate with Ohr in every way reasonably possible in obtaining evidence and going forward in any such proceedings throughout the world; and (c) to perform all other affirmative acts which in Ohr's reasonable discretion may be necessary or desirable throughout the world to maintain, protect or enforce the Patents, Patent Licenses, and patent applications and any reissues, divisions, continuations, renewals, extensions and continuations-in-part therefor. These obligations of assistance by Assignor shall survive closing under the Asset Purchase Agreement and shall continue for so long as Ohr may require such assistance from Assignor.

This Assignment includes the right, where such right can be legally exercised by Ohr, in its own name, to apply for and obtain patents in countries foreign to the United States of America, including the full right to claim for any such applications the benefits of the International Convention for Protection of Industrial Property or similar agreements, as fully and entirely as Assignor could have done if the applications has been filed in its name, and the entire interest in any patents which may be granted on any such applications in such foreign countries.

Assignor hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States, and the appropriate officials in any other country, to issue any and all Letters Patent that may be granted upon any patent application or any reissues, divisions, continuations, renewals, extensions and continuations-in-part therefor covered by this Assignment to Ohr, its successors and assigns.

Assignor hereby covenants and warrants that no other agreement has been or will be executed in conflict herewith.

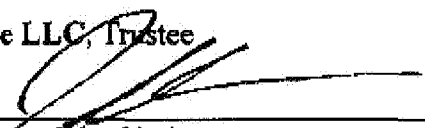
Assignor hereby grants to both Ohr and the law firm of Hahn & Hessen LLP of New York, New York (and any other law firm designated by Hahn & Hessen LLP), authority and power to insert on this instrument any further information which may be necessary or desirable for identifying any of the Patents for purposes of recordation in the United States Patent and Trademark Office or any similar or comparable office or officials of any foreign country.

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IN WITNESS WHEREOF this Assignment has been duly executed by an authorized officer of Assignor and is effective as of the date first above written.

GENAERA LIQUIDATING TRUST, Assignor

By: Argyce LLC, Trustee

By: 

Name: John Skolas

Title: President

OHR PHARMACEUTICAL, INC.

By: _____

Name: Andrew Limpert

Title: President

IN WITNESS WHEREOF this Assignment has been duly executed by an authorized officer of Assignor and is effective as of the date first above written.

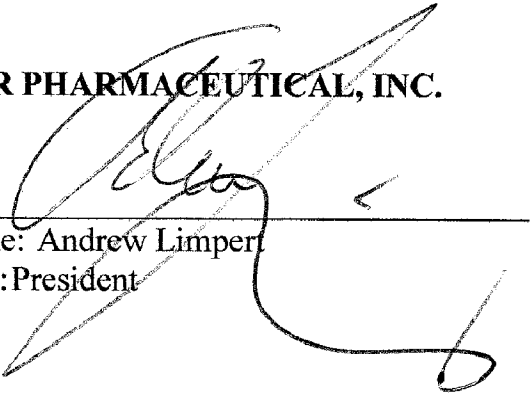
GENAERA LIQUIDATING TRUST, Assignor

By: **Argyce LLC**, Trustee

By: _____
Name: John Skolas
Title: President

OHR PHARMACEUTICAL, INC.

By: _____
Name: Andrew Limpert
Title: President



SCHEDULE A

Squalamine, Trodusquamine and Analogues Patents

Our File: 35C (CH-0223)(036870-5087)

Patent No.: **5,192,756**

Issue Date: 3/9/93

Serial No.: 853,634

Filing Date: 3/18/92

Title: AMINOSTEROL ANTIBIOTIC

Inventors: Michael Zasloff, Karen Moore and Suzanne Wehrli

Status: Issued

Expiration Date: 3/18/2012

Foreign Cases:	<u>Country</u>	<u>Status</u>	<u>Date</u>	<u>Serial/Patent No.</u>
	PTC	Filed	2/10/93	US93/01187
	PTC	Published	9/30/93	WO 9318773
	EPO	Filed	2/10/93	93905856.6
	EPO*	Issued	4/23/97	EP 0 637 243
	Australia	Filed	2/10/93	36619/93
	Australia	Issued	2/20/97	675782
	Canada	Filed	2/10/93	2,130,803
	Canada	Issued	4/17/07	2,130,803
	Japan	Filed	2/10/93	516544/1993
	Japan	Issued	5/27/02	3,286,321

*EPO Countries: AT, BE, CH/LI, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE

Synopsis: *This patent describes the composition of matter of squalamine and its use as an antimicrobial.*

Our File: 49-01M (36870-5045-01)

Patent No.: **5,840,740**

Issue Date: 11/24/98

Serial No.: 08/483,059

Filing Date: 6/7/95

Title: AMINOSTEROL COMPOUNDS AND A METHOD OF TREATING INFECTION USING THE AMINOSTEROL COMPOUNDS

Inventors: Michael Zasloff, Ann Shinnar, William Kinney, Meena Rao

Status: Issued

Expiration Date: 11/24/2015

Foreign Cases:	<u>Country</u>	<u>Status</u>	<u>Date</u>	<u>Serial/Patent No.</u>
	PCT	Filed	6/7/96	US96/10508
	PCT	Published	12/19/96	WO9640728
	Australia	Filed	6/7/96	63349/96
	Australia	Issued	12/14/00	723663
	Canada	Filed	6/7/96	2,223,910
	Canada	Issued	9/16/08	2,223,910

EPO	Filed	6/7/96	96922490.6
EPO	Published	4/1/98	0832094
EPO*	Issued	2/11/04	0832094
EPO	Filed	6/7/96	04002943.1-1211
			Div. of 96922490.6

EPO	Published	5/19/04	1420027
Japan	Filed	6/7/96	9-502307
Japan	Issued	4/4/08	4104164
S. Africa	Published	12/8/97	96/4818

*EPO Countries AT, BE, CH/LI, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE

Synopsis: This patent covers the use of MSI-1360 and MSI-1361 to treat bacterial, fungal or protozoal infections.

Our File: 49-02M (36870-5045-02)

Patent No.: 5,795,885

Issue Date: 8/18/98

Serial No.: 08/483,057

Filing Date: 6/7/95

Title: METHOD OF INHIBITING PROLIFERATION OF CELLS BY
ADMINISTERING AN AMINOSTEROL COMPOUND

Inventors: Michael Zasloff, Ann Shinnar, William Kinney, Mark Anderson

Status: Issued

Expiration Date: 8/18/2015

Foreign Cases: See 49-01M

Synopsis: This patent covers the use of trodusquemine to inhibit the proliferation of cells (tumors) or to suppress the immune system (transplant rejection).

Our File: 49-04M (36870-5045-04)

Patent No.: 5,763,430

Issue Date: 06/09/98

Serial No.: 08/479,457

Filing Date: 6/7/95

Title: METHOD OF TREATING A VIRAL INFECTION BY
ADMINISTERING A STEROID COMPOUND

Inventor: Michael Zasloff

Status: Issued

Expiration Date: 6/9/2015

Foreign Cases: See 49-01M

Synopsis: This patent covers the treatment of a viral disease, including HIV with trodusquemine.

Our File: 49-05M (36870-5045-05)

Patent No.: 5,840,936

Issue Date: 11/24/98

Serial No.: 08/475,572
 Filing Date: 6/7/95
 Title: AMINOSTEROL COMPOUNDS USEFUL AS INHIBITORS OF THE SODIUM/PROTON EXCHANGER (NHE)
 Inventors: Michael Zasloff, Ann Shinnar, Meena Rao, William Kinney
 Status: Issued
 Expiration Date: 6/10/2014
 Foreign Cases: See 49-01M
 Synopsis: *This patent covers the composition of matter for trodusquemine and MSI-1437. It has a terminal disclaimer based on the 50-01M case.*

Our File: 49-06M (36870-5045-06)

Patent No.: 5,874,597

Issue Date: 2/23/99
 Serial No.: 08/476,855
 Filing Date: 6/7/95
 Title: CERTAIN AMINOSTEROL COMPOUNDS AND PHARMACEUTICAL COMPOSITIONS INCLUDING THESE COMPOUNDS
 Inventor: Steven Jones
 Status: Issued
 Expiration Date: 6/10/14
 Foreign Cases: See 49-01M
 Synopsis: *This application covers the composition of matter for MSI-1414, 1415, 1417, 1448 and 1449. It has a terminal disclaimer based on the 50-01M case.*

Our File: 49-07M (36870-5045-07)

Patent No.: 5,792,635

Issue Date: 8/11/98
 Serial No.: 08/474,799
 Filing Date: 6/7/95
 Title: METHOD OF INHIBITING THE SODIUM/PROTON EXCHANGER NHE AND METHOD OF INHIBITING GROWTH BY ADMINISTERING SQUALAMINE

Inventor: Michael Zasloff

Status: Issued

Expiration Date: 8/11/2015

Foreign Cases:	<u>Country</u>	<u>Status</u>	<u>Date</u>	<u>Serial/Patent #</u>
	PCT	Filed	6/7/96	US96/08954
	PCT	Published	12/19/96	WO9640151
	Australia	Filed	6/7/96	61528/96
	Australia	Issued	11/4/99	712436
	Canada	Pending	6/7/96	2,223,908

	Canada	Issued	2/20/07	2,223,908	
	EPO	Filed	6/7/96	96919096.6	
	EPO*	Issued	5/2/2003	0 831 837	
	Japan	Filed	6/7/96	9-501397	
	Japan	Published	6/15/99	11-506775	
	Japan	Issued	2/8/08	4077512	S.
	Africa	Issued	4/29/98	96/4819	

*EPO Countries AT, BE, CH/LI, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE

Synopsis: This patent covers the use of squalamine to inhibit NHE3 and the growth of endothelial cells.

Our File: 49-08M (36870-5045-08)
Patent No. 5,847,172
 Issue Date: 12/8/98
 Serial No.: 08/487,443
 Filing Date: 6/7/95
 Title: CERTAIN AMINOSTEROL COMPOUNDS AND
 PHARMACEUTICAL COMPOSITIONS INCLUDING THESE
 COMPOUNDS

Inventor: Michael Zasloff, Ann Shinnar, William Kinney and Steven Jones
 Status: Issued
 Expiration Date: 6/10/2014
 Foreign Cases: See 49-01M

Synopsis: This patent covers the composition of matter on MSI-1409, 1410, 1416, 1431, 1432, 1433, 1458, 1459, 1465 and 1466. It has a terminal disclaimer based on the 50-01 case

Our File: 49-12M (36870-5045-12)
Patent No. 6,962,909
 Issue Date: 11/8/05
 Serial No.: CPA-09/985,417
 Filing Date: 4/17/2000 (First CPA-11/24/98)
 Publication No. 2003- 0149287
 Publication Date 8/7/2003
 Title: TREATMENT OF NEOVASCULARIZATION DISORDERS WITH SQUALAMINE

Inventor: Michael Zasloff, Ann Shinnar, William Kinney and Steven Jones
 Status: Issued
 Expiration Date: 6/22/2015
 Foreign Cases: See 49-07M

Synopsis: This patent application covers the use of squalamine and its analogues to inhibit angiogenesis in the eye.

Our File: 50-01M (36870-5077-01)
Patent No.: 5,637,691

Issue Date: 6/10/97
 Serial No.: 08/290,826
 Filing Date: 8/18/94 (priority date: 3/10/93)
 Title: STEROID DERIVATIVES, PHARMACEUTICAL COMPOSITIONS
 CONTAINING THEM, AND THEIR USE AS ANTIBIOTICS OR
 DISINFECTANTS
 Inventors: Leah L. Frye, Michael A. Zasloff, William A. Kinney, Robert Moriarty
 Status: Issued
 Expiration Date: 6/10/14
 Foreign Cases:

<u>Country</u>	<u>Status</u>	<u>Date</u>	<u>Serial/Patent No.</u>
PCT	Filed	3/10/94	US94/02397
PCT	Published	9/15/94	WO94/20520
EPO	Filed	3/10/94	94911470.6
EPO	Published	12/27/95	0 688 333
EPO*	Issued	8/19/98	0 688 333
Australia	Filed	3/10/94	63974/94
Australia	Issued	6/18/98	692766
Canada	Filed	3/10/94	2,157,594
Japan	Filed	3/10/94	06-520212
Japan	Published	8/13/96	8-507527
Japan	Issued	4/23/04	3546886

*EPO Countries: AT, BE, CH/LI, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE

Synopsis: *This patent covers the composition of matter of aminosterol analogues of squalamine.*

Our File: 50-03M (36870-5077-03)
Patent No.: 5,721,226
 Issue Date: 2/24/98
 Serial No.: 08/478,763 (priority date: 3/10/93)
 Filing Date: 6/7/95
 Title: METHOD FOR INHIBITING ANGIOGENESIS USING
 SQUALAMINE AND SQUALAMINE STEROID DERIVATIVES
 Inventors: Leah L. Frye, Michael A. Zasloff, William A. Kinney, Robert
 Moriarty, Delwood C. Collins
 Status: Issued
 Expiration Date: 2/24/2015
 Foreign Cases:

<u>Country</u>	<u>Status</u>	<u>Date</u>	<u>Serial/Patent No.</u>
PCT	Filed	9/13/94	US94/10265
PCT	Published	9/14/95	WO95/24415
EPO	Filed	9/13/94	94931274.8
EPO*	Issued	12/5/01	0749437
Canada	Filed	9/13/94	2,185,123
Japan	Filed	9/13/94	07-523429
Australia	Filed	9/13/94	80101/94
Australia	Issued	12/24/98	700344

*EPO Countries: AT, BE, CH/LI, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE

Synopsis: This patent covers a method for inhibiting angiogenesis in a patient with squalamine or a squalamine analogue.

Our File: 58M (36870-5058-00)

Patent No.: 5,856,535

Issue Date: 1/5/99

Serial No.: 08/769,689

Filing Date: 12/18/96 (priority date: 8/18/94)

Title: AMINOSTEROL ESTER COMPOUNDS

Inventors: Michael Zasloff, William Kinney, Steven Jones

Status: Issued

Expiration Date: 8/18/2014

Foreign Cases:	Country	Status	Date	Serial/Patent No.
	PCT	Filed	12/18/97	US97/23447
	PCT	Published	6/25/98	WO98/27106
	EPO	Abandoned		97 953 313.0
	Australia	Abandoned		57087/98
	Canada	Abandoned	2,274,779	
	Japan	Abandoned		10-527987

Synopsis: This patent covers the composition of matter for various aminosterol esters both specifically and generically.

Our File: 60-12M (036870-5080)

Patent No.: 7,074,778

Issue Date: 7/11/2006

Serial No.: 10/148,553, 60/169,959

Filing Date: 12/9/99P (Filed in the PCT 12/9/00)

Publication No.: 2003-0232791

Date: 12/18/03

Title: ASTHMA ASSOCIATED FACTORS AS TARGETS FOR
TREATING ATOPIC ALLERGIES INCLUDING ASTHMA AND
RELATED DISORDERS

Inventors: Roy C. Levitt, Nicholas C. Nicolaides, Steve Jones and Bill Kinney

Status: Pending

Foreign Cases:	Country	Status	Date	Serial/Patent No.
	PCT	Filed	12/11/00	US00/33526
	PCT	Published	6/14/01	WO01/42273
	Australia	Filed	12/11/00	22579/01
	Australia	Issued	10/5/06	784795
	EPO	Filed	12/11/00	00986312.7
	EPO	Published	9/4/02	1235849
	Japan	Filed	12/11/00	2001-543570
	Japan	Published	3/4/04	2004-506599

Synopsis: Canada Filed 12/11/00 2,393,135
This application covers the use of aminosteroids to treat asthma by the down regulation of the IL-9 pathway.

Our File: 64-03M (36870-5007-03)
Patent No.: **6,147,060**
 Issue Date: 11/14/2000
 Serial No: 08/840,706
 Filing Date: 4/25/97 (priority date: 4/26/96)
 Title: TREATMENT OF CARCINOMAS USING SQUALAMINE IN COMBINATION WITH OTHER ANTI-CANCER AGENTS

Inventors: Michael Zasloff and Jon Williams

Status: Issued

Expiration Date: 4/25/2017

Country	Status	Date	Serial/Patent No.
PCT	Filed	4/25/97	US97/07011
PCT	Published	11/6/97	WO97/40835
EPO	Filed	4/25/97	97 921 396.4
EPO*	Issued	6/11/03	0 910 382
Japan	Filed	4/25/97	9-539076/97
Japan	Published	8/15/00	0510460
Australia	Filed	4/25/97	27441/97

Australia	Issued	1/11/01	735884
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Canada	Filed	4/25/97	2,252,584
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Canada	Issued	6/10/08	2,252,584
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*EPO Countries: AT, BE, CH/LI, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE

Synopsis: *This patent covers squalamine in combination with cytotoxic anticancer agents for the treatment of cancer.*

Our File: 64-04M (36870-5007-04)
Patent No.: **6,596,712**
 Issue Date: 7/22/2003
 Serial No: 09/803,740
 Filing Date: 3/12/01
 Title: TREATMENT OF CARCINOMAS USING SQUALAMINE IN COMBINATION WITH OTHER ANTI-CANCER AGENTS

Inventors: Michael Zasloff, Mitchell H Sokoloff and Jon Williams

Status: Issued

Expiration Date: 4/25/2017

Country	Status	Date	Serial/Patent No.
PCT	Filed	9/10/99	US99/20645
PCT	Published	3/23/2000	WO00/15176
EPO	Filed	9/10/99	99952905.0
EPO	Published	8/1/01	1119361
EPO	Allowed		1119361

Japan	Filed	9/10/99	2000-569761
Japan	Published	8/6/02	2002-524481
Australia	Filed	9/10/99	64962/99
Australia	Issued	6/12/03	757649
Canada	Filed	9/10/99	2,343,133

Synopsis: *This patent covers squalamine in combination with other anticancer agents or anticancer therapies for the treatment of cancer.*

Our File: 65M (36870-5062) CIP of 08/847,443 (49-08M)

Patent No.: **6,143,738**

Issue Date: 11/7/2000

Serial No.: 08/857,288

Filing Date: 5/16/97 (priority date: 6/7/95)

Title: THERAPEUTIC USES FOR AN AMINOSTEROL COMPOUND

Inventors: Michael Zasloff

Status: Issued

Expiration Date: 6/7/2015

<u>Country</u>	<u>Status</u>	<u>Date</u>	<u>Serial/Patent No.</u>
PCT	Filed	5/16/97	US97/08395
PCT	Published	11/27/97	WO97/44044
EPO	Filed	5/16/97	97 926 574.1
EPO	Published	6/23/99	0923377
EPO	Abandoned		0923377
Japan	Filed	5/16/97	1997542602
Japan	Published	5/21/02	2002515035
Australia	Filed	5/16/97	31306/97
Australia	Issued	3/8/01	726909
Canada	Filed	5/16/97	2,255,856
Canada	Issued	5/13/08	2,255,856

Synopsis: *This patent covers the use of trodusquemine for appetite suppression and to prevent weight gain.*

Our File: 65-01M, 5032M (CIP of 65M) (36870-5062-01)

Patent No.: **7,410,959**

Issue Date: 8/12/08

Serial No.: 09/885,247 (60/217,940)

Filing Date: 7/13/00, Provisional 7/13/00

Title: THERAPEUTIC USES FOR AN AMINOSTEROL COMPOUND

Inventors: Michael Zasloff, Bill Kinney, Mike McLane, Mark Anderson and Jon Williams

Status: Issued

Expiration Date: 5/30/2021

<u>Country</u>	<u>Status</u>	<u>Date</u>	<u>Serial/Patent No.</u>
PCT	Filed	7/13/01	US01/22078
PCT	Published	1/24/02	WO02/06299
PCT	Abandoned	1/24/03	WO02/06299

Synopsis: This application covers the use of *trodusquemine* and *trodusquemine* analogues for the treatment of atherosclerosis by the reduction of serum cholesterol and the reduction of blood glucose.

Our File: 65-02M, (36870-5062-02)
 Serial No.: 12/041,440 (Con of 09/885,247)
 Filing Date: 3/3/2008
 Publication No.: 2008-0221075-A1
 Date: 9/11/08
 Title: THERAPEUTIC USES FOR AN AMINOSTEROL COMPOUND
 Inventors: Michael Zasloff, Bill Kinney, Mike McLane, Mark Anderson and Jon Williams
 Status: Pending
 Foreign Cases: None
 Synopsis: *This application covers the composition of matter of MSI-1814 and for its use for appetite suppression and to prevent weight gain.*

Our File: 65-03M, (36870-5062-03)
 Serial No.: 12/254,656 (Con of 09/885,247)
 Filing Date: 10/20/2008
 Publication No.: 2009-0105204-A1
 Date: 4/23/2009
 Title: THERAPEUTIC USES FOR AN AMINOSTEROL COMPOUND
 Inventors: Michael Zasloff, Bill Kinney, Mike McLane, Mark Anderson and Jon Williams
 Status: Pending
 Foreign Cases: None
 Synopsis: *This application covers the composition of matter of MSI-1814 and for its use for appetite suppression and to prevent weight gain.*

Our File: 69M (36870-5067-02)
Patent No.: 6,262,283
 Issue Date: 7/17/01
 Serial No.: 08/985,876
 Filing Date: 12/5/97 (provisional 12/6/96)
 Title: STEREOSELECTIVE SYNTHESIS OF 24-HYDROXYLATED COMPOUNDS USEFUL FOR THE PREPARATION OF AMINOSTEROLS, VITAMIN D ANALOGS, AND OTHER COMPOUNDS
 Inventors: William A. Kinney, Steven Jones, Xuehai Zhang, Meena Rao, Michel Bulliard, Harold Meckler, Nancy Lee
 Status: Issued
 Expiration Date: 12/5/2017
 Foreign Cases:

<u>Country</u>	<u>Status</u>	<u>Date</u>	<u>Serial/Patent No.</u>
PCT	Filed	12/8/97	US97/22031

PCT	Published	6/11/98	WO98/24800
EPO	Abandoned		97952256.2
EPO	Filed	5/21/2003	03011093.6 div. of
97952256.2			
EPO	Published	2/18/04	01389623
Australia	Filed	12/8/97	55914/98
Australia	Issued	8/15/2002	746559
Japan	Filed	12/8/97	10-524012
Canada	Filed	12/8/97	2,272,721
Canada	Issued	8/5/08	2,272,721

Synopsis: *This patent covers a method for the synthesis of squalamine and other aminosterol compounds including trodusquamine.*

Our File: 69-01M (5029M (036870-5067-03))

Patent No.: **6,933,383**

Issue Date: 8/23/05

Serial No.: 10/268,660 cont. of 09/833,058 (60/196,646)

Filing Date: 10/11/02 (4/12/00p)

Publication No. 20030171576

Publication Date September 11, 2003

Title: REGIOSELECTIVE AND STEREOSELECTIVE OXIDATION OF FUSED RING SYSTEMS USEFUL FOR THE PREPARATION OF AMINOSTEROLS

Inventors: William A. Kinney, Xuehai Zhang and Ron Michalaki

Status: Issued

Expiration Date: 4/12/2021

Foreign Cases:	<u>Country</u>	<u>Status</u>	<u>Date</u>	<u>Serial/Patent No.</u>
	PCT	Filed	4/12/01	US01/12004
	PCT	Published	10/25/01	WO01/79255
	Australia	Filed	4/12/01	2001253427
	Australia	Accepted	2/8/07	2001253427
	Australia	Issued	5/25/07	2001253427
	Canada	Filed	4/12/01	2,406,847
	Canada	Allowed	2/27/09	2,406,847
	EPO	Applied	4/12/01	01 926 924.0
	EPO	Published	1/15/03	1274718
	EPO*	Issued	10/18/06	1274718
Japan	Filed	4/12/01		2001-576852
Japan	Published	10/21/03		2003-531148

Synopsis: *This patent covers the composition of matter of intermediates in a short synthesis route for squalamine, trodusquamine or related aminosterols.*

*EPO Countries: AT BE CH/ LI CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

Our File: 69-02M (36870-5067-04)
Patent No.: **6,610,866**
 Issue Date: 8/26/2003
 Serial No.: 09/833,055, Divisional of 08/985,876
 Filing Date: 12/7/97 (provisional 12/6/96)
 Publication No. 2002-0068834-A1
 Publication Date 6/6/02
 Title: STEREOSELECTIVE SYNTHESIS OF 24-HYDROXYLATED COMPOUNDS USEFUL FOR THE PREPARATION OF AMINOSTEROLS, VITAMIN D ANALOGS, AND OTHER COMPOUNDS

Inventors: William A. Kinney, Steven Jones, Xuehai Zhang, Meena Rao, Michel Bulliard, Harold Meckler, Nancy Lee

Status: Issued

Expiration Date: 3/22/2018

Foreign Cases:	Country	Status	Date	Serial/Patent No.
	Australia	Filed	7/29/02	2002300302, Div. of
55914/98				
	Australia	Accepted	8/10/06	2002300302

Synopsis: This patent covers intermediates in the synthesis of squalamine, trodusquamine and other aminosterol compounds

Our File: 69-04M (5029M (036870-5067-06))
 Serial No.: 11/083,961 (Div of 10/268,660 cont. of 09/833,058 (60/196,646))
 Filing Date: 3/21/05 (4/12/00p)
 Publication No. 2005-0187202
 Publication Date 8/25/05
 Title: REGIOSELECTIVE AND STEREOSELECTIVE OXIDATION OF FUSED RING SYSTEMS USEFUL FOR THE PREPARATION OF AMINOSTEROLS

Inventors: William A. Kinney, Xuehai Zhang and Ron Michalaki

Status: Pending

Synopsis: This patent covers a short synthesis route for squalamine, trodusquamine or related aminosterols.

Our File: 77M (36870-5076)
Patent No.: **6,388,108**
 Issue Date: 5/14/02
 Serial No.: 09/762,999 (60/096,337)
 Filing Date: 5/29/01 (8/12/98) (8/12/99-PCT)
 Title: AMINOSTEROL COMPOUNDS AND USES THEREOF
 Inventors: Meena Rao, Binyamin Feibush, William Kinney, Lincoln Noecker and Michael Zasloff

Status: Issued

Expiration Date: 8/12/2018

Foreign Cases:	Country	Status	Date	Serial/Patent No.
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	PCT	Filed	8/12/99	US99/18322
PCT	Published	2/24/00	WO00/09137	
	EPO	Filed	8/12/99	99942130.8
	EPO	Published	6/13/01	1105407
	EPO*	Issued	10/10/07	1105407
	Japan	Filed	8/12/99	2000-564639
	Japan	Published	7/23/02	2002-522501
	Australia	Filed	8/12/99	55575/99
	Australia	Issued	5/13/04	773038
	Canada	Filed	8/12/99	2,339,174

*EPO Countries: AT, BE, CH/LI, DE, FR, GB, GR, IE

Synopsis: This patent covers several natural aminosterols from the shark that aren't covered by other applications.

Our File: 83M (036870-5088)

Serial No.: 11/410,098 (60/674,531)

Filing Date: 4/25/06 (4/25/05p)

Publication No.: 2007/0010504

Date: 1/11/2007

Title: POLYMORPHIC AND AMORPHOUS SALT FORMS OF SQUALAMINE DILACTATE

Inventors: Eric Chellquist, Mary Doubleday, Charles Gilbert, Xuehai Zhang, Michael McLane, Kyle Armbruster and Roy C. Levitt

Status: Pending

Foreign Cases:	<u>Country</u>	<u>Status</u>	<u>Date</u>	<u>Serial/Patent No.</u>
	PCT	Filed	4/25/06	US2006/015468
	PCT	Published	11/2/06	WO/2006116309
	Australia	Filed	4/25/06	2006239811
	Canada	Filed	4/25/06	2,606,077
	EPO	Filed	4/25/06	1877419
	Japan	Filed	4/25/06	2008-509005
	Japan	Published	11/13/08	2008-539243
	Taiwan	Filed	4/25/06	095114792

Synopsis: This patent application covers the composition of matter of polymorphic and amorphous salt forms of squalamine dilactate and methods for their synthesis.

Our File: 85M (036870-5089)

Serial No.: 11/790,083

Filing Date: 4/23/07

Publication No.: 2008-0058300

Date: 3/6/2008

Title: INDUCTION OF WEIGHT LOSS AND THE SELECTIVE INHIBITION OF PTP1B

Inventors: Michael McLane, Kristen A. Lantz, Andrew V. Albright, Susan G. Emeigh Hart, Henry R. Wolfe and Hsiao-Ling Hung

Status: Pending

Foreign Cases:	<u>Country</u>	<u>Status</u>	<u>Date</u>	<u>Serial/Patent No.</u>
	PCT	Filed	4/23/07	US2007/009706
	PCT	Published	11/1/07	WO2007/124086
	Australia	Filed	4/23/07	2007240652
	Canada	Filed	4/23/07	
	China	Filed	4/23/07	200780022423.1
	Japan	Filed	4/23/07	
	Mexico	Filed	4/23/07	MX/a/2008/013592
	Taiwan	Filed	4/25/07	096114648

Synopsis: *This patent application covers the use of trodusquemine for the treatment of diet-induced obesity and associated complications and mechanism of trodusquemine for the treatment of obesity and diabetes including the inhibition of PTP1B and DAT/NET.*

Our File: 87M (036870-5094)

Serial No.: 60/970,467

Filing Date: 9/8/08 (9/6/07)

Title: A METHOD FOR TREATING DIABETES

Inventors: Michael McLane, Inez Ruiz-White and Henry R. Wolfe

Status: Pending

Foreign Cases:	<u>Country</u>	<u>Status</u>	<u>Date</u>	<u>Serial/Patent No.</u>
	PCT	Filed	9/8/08	US08/010455
	Taiwan	Filed	9/8/08	097134424

Synopsis: *This patent application covers the use of trodusquemine analogues for the treatment of diabetes by the inhibition of PTP-1B.*