

pool#	compound name	action	stock conc	CAS#	effect of pool in fin removal assay	individual compounds impairing regrowth in fin removal assay (dilution of stock tested)
1	C16 Ceramide	Activates PKC zeta	1mM	24696-26-2		
1	12(S)-HPETE	Fatty acid hydroperoxide	0.1mM	71774-10-2	n=3/4 normal	
1	15d-Prostaglandin J2	Bioactive prostaglandin	1mM	87893-55-8		
1	4-Oxatetradecanoic acid	Myristic acid analog	1mM			
1	C8 Ceramine	Ceramide analog. Apoptosis inducer	1mM			
2	1-Octadecyl-2-methylglycero-3 PC	Inhibits PI-specific PLC	1mM	77286-66-9		none of the individual compounds caused abnormal regrowth
2	12-Methoxydodecanoic acid	Myristic acid analog	1mM	92169-28-3	n=3/4 misguided	
2	8,9-Epoxyeicosatrienoic acid	Bioactive arachidonic acid metabolite	0.1mM			
2	AGC	Negative control for AGGC and AFC	1mM			
2	Arachidonoyl-PAF	PAF precursor	1mM	86288-11-1		
3	15-Ketoeicosatetraenoic acid	Bioactive arachidonic acid metabolite	0.1mM	81416-72-0		
3	1-Oleoyl-2-acetyl-glycerol	PKC activator	1mM	86390-77-4	n=8/8 normal	
3	5(S)-HETE	Bioactive arachidonic acid metabolite	0.1mM	70608-72-9		
3	8-EPI-prostaglandin F2 α	Thromboxane TP receptor agonist	1mM	27415-26-5		
3	AGGC	ICMT inhibitor	1mM	139332-94-8		
4	(R)-Methanandamide	Cannabinoid CB1 receptor agonist	1mM	150314-39-3		
4	13(S)-HODE	Bioactive linoleic acid metabolite	0.1mM	29623-28-7	n=7/7 normal	
4	16,16-Dimethyl-prostaglandin E2	Prostaglandin EP receptor agonist	1mM	39746-25-3		
4	1-Stearoyl-2-linoleoyl-glycerol	PKC activator	1mM			
4	BML-190	Cannabinoid CB1 inverse agonist	1mM			
5	13(S)-HPODE	Fatty acid hydroperoxide	0.1mM	33964-75-9		
5	5(S)-HPETE	Fatty acid hydroperoxide	0.1mM	71774-08-8	n=11/12 normal	
5	9(S)-HODE	Bioactive linoleic acid metabolite	0.1mM	73543-67-6		
5	AM-251	Cannabinoid CB1 receptor antagonist	1mM			
5	C2 Ceramide	Apoptosis inducer	1mM	3102-57-6		
6	17-Octadecynoic acid	Inhibits fatty acid omega oxidation	1mM	34450-18-5		9(S)-HPODE (1:100) AM-580 (1:100)
6	1-Stearoyl-2-arachidonoyl-glycerol	PKC activator	1mM	65914-84-3	n=8/11 abnormal n=5/11 misguided and n=3/11 reduced regrowth	
6	5,6-Epoxyeicosatrienoic acid	Bioactive arachidonic acid metabolite	0.1mM			
6	9(S)-HPODE	Fatty acid hydroperoxide	0.1mM	29774-12-7		
6	AM-580	Retinoid RAR agonist	1mM	102121-60-8		
7	1,2-Didecanoyl-glycerol (10:0)	Activates PKC	1mM	82950-64-9		

7	13,14-Dihydro-prostaglandin E1	Bioactive prostaglandin	1mM	19313-28-1	n= 5/8 abnormal n=3/8 misguided and n=2/8 reduced regrowth	
7	17-Phenyl-trinor-prostaglandin E2	Prostaglandin EP1 receptor agonist	1mM	38315-43-4		
7	5,8,11,14-Eicosatetraynoic acid	Cyclooxygenase & lipoxygenase inhibitor	1mM	1191-85-1		
7	C2 Dihydroceramide	Negative control for C2 ceramide	1mM			
8	1,2-Dioctanoyl-sn-glycerol	Activates PKC	1mM	75685-80-2		
8	13-cis Retinoic acid	Retinoid receptor ligand	1mM	4759-48-2	n=4/4 normal	
8	1-Acyl-PAF	PAF agonist	1mM			
8	9,10-Octadecenoamide	Endogenous sleep inducing lipid	1mM			
8	Anandamide (18:2,n-6)	Cannabinoid receptor agonist	1mM			
9	1,2-Dioleoyl-glycerol (18:1)	Activates PKC	1mM	3738-74-7		
9	5,8,11-Eicosatriynoic acid	Lipoxygenase inhibitor	1mM	13488-22-7	n=4/4 normal	
9	9alpha,11beta-Prostaglandin F2	Bioactive prostaglandin	1mM	38432-87-0		
9	Anandamide (20:3,n-6)	Cannabinoid receptor agonist	1mM			
9	C8 Dihydroceramide	Negative control for C8 ceramide	1mM			
10	13-Ketooctadecadienoic acid	Bioactive linoleic acid metabolite	0.1mM			
10	1-Hexadecyl-2-arachidonoyl-glycerol	DAG analog	1mM		n=3/3 normal	
10	2-Arachidonoylglycerol	Cannabinoid CB1 receptor agonist	1mM	53847-30-6		
10	5-Ketoeicosatetraenoic acid	5-KETE receptor (R527) agonist	0.1mM			
10	9beta,11alpha-Prostaglandin F2	Bioactive prostaglandin	1mM	4510-16-1		
11	11,12-Epoxyeicosatrienoic acid	Bioactive arachidonic acid metabolite	0.1mM			
11	14,15-Epoxyeicosatrienoic acid	Bioactive arachidonic acid metabolite	0.1mM		n=8/8 normal	
11	1-Hexadecyl-2-methylglycero-3 PC	PAF receptor agonist	1mM			
11	Anandamide (20:4, n-6)	Cannabinoid receptor agonist	1mM	94421-68-8		
11	Carbacyclin	PPAR delta agonist	1mM	69552-46-1		
12	12(R)-HETE	Bioactive arachidonic acid metabolite	0.1mM	82337-46-0		
12	2-Fluoropalmitic acid	Protein palmitoylation inhibitor	1mM	89270-22-4	n=4/8 abnormal n=3/8 misguided and n=1/8 reduced regrowth	9-cis Retinoic acid (n=4/4 reduced regrowth; 1:300) Anandamide (22:4,n-6) (n=4/4 reduced regrowth; 1:100)
12	9-cis Retinoic acid	Retinoid RXR agonist	1mM	5300-03-8		
12	Anandamide (22:4,n-6)	Cannabinoid receptor agonist	1mM			
12	Ciglitazone	PPAR gamma agonist	1mM	74772-77-3		
13	15(S)-HETE	Bioactive arachidonic acid metabolite	0.1mM	54845-95-3		
13	1-Hexadecyl-2-O-acetyl-glycerol	Blocks DAG activation of PKC	1mM	77133-35-8	n=5/5 normal	
13	2-Hydroxymyristic acid	Protein myristoylation inhibitor	1mM	2507-55-3		

13	6-Keto-prostaglandin F1 α	Bioactive prostaglandin	1mM	58962-34-8	
13	Dimethylxaloylglycine	Prolyl-4-hydroxylase inhibitor	1mM	89464-63-1	
14	12(S)-HETE	Bioactive arachidonic acid metabolite	0.1mM	54397-83-0	
14	15(S)-HPETE	Fatty acid hydroperoxide	0.1mM	70981-96-3	n=4/4 normal
14	1-Hexadecyl-2-O-methyl-glycerol	Blocks DAG activation of PKC	1mM		
14	Arachidonamide	Bioactive arachidonic acid metabolite	1mM		
14	Clofibrate	PPAR alpha agonist	1mM	637-07-0	
15	4-Hydroxyphenylretinamide	Retinoid receptor agonist / apoptosis inducer	1mM	6546-68-6	
15	7,7-Dimethyleicosadienoic acid	PLA2 inhibitor	1mM	89560-01-0	n=4/4 normal
15	Adrenic acid (22:4, n-6)	Polyunsaturated fatty acid	1mM	28874-58-0	
15	Arachidonic acid (20:4, n-6)	Polyunsaturated fatty acid	1mM	506-32-1	
15	Cloprostenol Na	Prostaglandin FP receptor agonist	1mM	55028-72-3	
15	C-PAF	PAF receptor agonist	1mM	91575-58-5	
16	Docosatrienoic acid (22:3 n-3)	Polyunsaturated fatty acid	1mM	28845-86-5	
16	Leukotoxin B (12,13-EODE)	Bioactive linoleic acid metabolite	0.1mM		n=4/4 normal
16	LY-171883	Leukotriene D4 receptor antagonist	1mM	88107-10-2	
16	N-Acetyl-leukotriene E4	Bioactive arachidonic acid metabolite	0.1mM	80115-95-3	
16	Prostaglandin B1	Bioactive prostaglandin	1mM	13345-51-2	
17	Delta 12-Prostaglandin J2	Bioactive prostaglandin	1mM	87893-54-7	
17	Eicosa-5,8-dienoic acid (20:2 n-12)	Polyunsaturated fatty acid	1mM		n=7/7 normal
17	Leukotriene B4	Leukotriene B4 receptor agonist	0.1mM	71160-24-2	
17	Lyso-PAF C16	Inactive PAF metabolite	1mM	52691-62-0	
17	4-Aminopyridine	Potassium channels	5mg/mL	504-24-5	
18	Dihomo-gamma-linolenic acid	Polyunsaturated fatty acid	1mM	1783-84-2	
18	N-Arachidonoylglycine	FAAH inhibitor	1mM		n=4/4 normal
18	Prostaglandin B2	Bioactive prostaglandin	1mM	13367-85-6	
18	S-Farnesyl-L-cysteine methyl ester	MDR ATPase activator	1mM		
18	5-Hydroxydecanoate	Potassium channels	5mg/mL	624-00-0	
19	Eicosadienoic acid (20:2 n-6)	Polyunsaturated fatty acid	1mM	2091-39-6	
19	Leukotriene C4	CysLT receptor agonist	0.1mM	72025-60-6	n=2/4 abnormal
19	Lysophosphatidic acid	LPA receptor antagonist	1mM	22556-62-3	n=1/4 misguided and n=1/4 reduced regrowth
19	N-Linoleoylglycine	FAAH inhibitor	1mM		

19	Prostaglandin D2	Prostaglandin DP receptor agonist	1mM	41598-07-6	Prostaglandin D2 (1:100)
20	Dihydrosphingosine	Apoptosis inducer	1mM		
20	Eicosapentaenoic acid (20:5 n-3)	Polyunsaturated fatty acid	1mM	10417-94-4	n=7/7 normal
20	Leukotriene D4	CysLT receptor agonist	0.1mM	73836-78-9	
20	MAPP, D-erythro	Ceramidase inhibitor	1mM		
20	Sphingosine	PKC inhibitor	1mM	123-78-4	
21	Diindolylmethane	AHR agonist	1mM	1968-05-4	
21	PAF C16	PAF receptor agonist	1mM	74389-68-7	n=4/4 normal
21	Prostaglandin E1	Prostaglandin EP receptor agonist	1mM	745-65-3	
21	SQ-29548	Thromboxane A2 antagonist	1mM	98299-61-7	
21	AM 92016	Potassium channels	5mg/mL	178894-81-0	
22	Eicosatrienoic acid (20:3 n-3)	Polyunsaturated fatty acid	1mM	2091-27-2	
22	Leukotriene E4	CysLT1 receptor agonist	0.1mM	75715-89-8	n=4/4 normal
22	MAPP, L-erythro	Negative control for D-erythro-MAPP	1mM		
22	PAF C18	PAF receptor agonist	1mM	79549-26-1	
22	Prostaglandin E2	Prostaglandin EP receptor agonist	1mM	363-24-6	
23	DL-Dihydrosphingosine	Sphingosine kinase inhibitor	1mM	73938-69-9	
23	Enantio-PAF C16	Negative control for PAF	1mM	117985-57-6	n=4/4 normal
23	Linoleamide	Bioactive linoleic acid metabolite	1mM		
23	Tetrahydrocannabinol-7-oic acid	PPAR gamma agonist	1mM	39690-06-7	
23	Amantidine	Misc. channels	5mg/mL	665-66-7	
24	DL-PDMP	Glucosylceramide synthase inhibitor	1mM	73257-80-4	
24	Mead acid (20:3 n-9)	Polyunsaturated fatty acid	1mM	20590-32-3	n=4/4 normal
24	PAF C18:1	PAF receptor agonist	1mM	86288-90-1	
24	Prostaglandin F1 α	Prostaglandin FP receptor agonist	1mM	745-62-0	
24	Amiloride	Calcium channels	5mg/mL	2016-88-8	
25	Farnesylthioacetic acid	Carboxymethylation inhibitor	1mM	135784-48-4	
25	Linoleic acid	Polyunsaturated fatty acid	1mM	60-33-3	n=4/4 normal
25	Mead ethanolamide	Cannabinoid receptor agonist	1mM	169232-04-6	
25	Palmitylethanolamide	Cannabinoid CB2 receptor agonist	1mM	544-31-0	
25	Prostaglandin F2 α	Prostaglandin FP receptor agonist	1mM	551-11-1	
26	DL-PPMP	Glucosylceramide synthase inhibitor	1mM		

26	Fluprostenol	Prostaglandin FP receptor agonist	1mM	40666-16-8	n=4/4 normal
26	Linolenic acid (18:3 n-3)	Polyunsaturated fatty acid	1mM	463-40-1	
26	Methoprene acid	Retinoid RXR agonist	1mM		
26	U-46619	Thromboxane TP receptor agonist	1mM	56985-40-1	
27	Docosahexaenoic acid (22:6 n-3)	Polyunsaturated fatty acid	1mM	6217-54-5	
27	γ -Linolenic acid (18:3 n-6)	Πολυϋνσάτυρατεδ φαττην αχιδ	1mM	506-26-3	n=4/4 normal
27	Phosphatidic acid, dipalmitoyl	Activates MAP kinase cascade	1mM	71065-87-7	
27	Prostaglandin I2 Na	Prostaglandin IP receptor agonist	1mM	61849-14-7	
27	U-75302	Leukotriene B4 receptor antagonist	0.1mM	119477-85-9	
28	Lipoxin A4	Bioactive arachidonic acid metabolite	0.1mM	89663-86-5	
28	Misoprostol, free acid	Prostaglandin EP receptor agonist	1mM	59122-46-2	n=4/4 normal
28	Prostaglandin A1	Bioactive prostaglandin	1mM	14152-28-4	
28	Prostaglandin J2	Bioactive prostaglandin	1mM	60203-57-8	
28	WIN 55,212-2	Cannabinoid CB1/CB2 receptor agonist	1mM	131543-23-2	
29	Docosapentaenoic acid	Polyunsaturated fatty acid	1mM	2234-74-4	
29	Leukotoxin A (9,10-EODE)	Bioactive linoleic acid metabolite	0.1mM		n=3/3 normal
29	L-NASPA	LPA agonist / antagonist	1mM		
29	N,N-Dimethylsphingosine	Sphingosine kinase inhibitor	1mM	119567-63-4	
29	Prostaglandin A2	Bioactive prostaglandin	1mM	13345-50-1	
30	Retinoic acid, all trans	Retinoid RAR agonist	1mM	302-79-4	
30	WY-14643	PPAR alpha agonist	1mM	50892-23-4	n=3/3 normal
30	Benzamil	Calcium channels	5mg/mL	2898-76-2	
30	Loperamide	Calcium channels	5mg/mL	34552-83-5	
30	Pinacidil	Potassium channels	5mg/mL	85371-64-8	
31	Methoxy verapamil	Calcium channels	5mg/mL	16662-47-8	
31	Procainamide	Sodium channels	5mg/mL	614-39-1	n=4/4 normal
31	TMB-8	Intracellular calcium	5mg/mL	53464-72-5	
31	Thiorphan	Neutral endopeptidase inhibitor	5mg/mL	76721-89-6	
31	2-Methoxyantimycin A3	Bcl-2/Bcl-XL ligand induces apoptosis	5mg/mL		
32	Dantrolene	Intracellular calcium	5mg/mL	7261-97-4	
32	Minoxidil	Potassium channels	5mg/mL	38304-91-5	n=5/5 normal
32	Propafenone	Potassium channels	5mg/mL	54063-53-5	

32	Tolazamide	Potassium channels	5mg/mL	1156-19-0		
32	Z-Prolyl-prolinal	Prolyl endopeptidase inhibitor	5mg/mL	86925-97-5		
33	Quinidine	Sodium channels	5mg/mL	6151-40-2		
33	Tolbutamide	Potassium channels	5mg/mL	64-77-7	n=7/8 normal	
33	Okadaic acid	PP1 PP2A inhibitor	0.5mg/mL	78111-17-8		
33	Taxol = Paclitaxel	microtubule stabilizer	5mg/mL	33069-62-6		
33	Gingerol	Intracellular calcium	5mg/mL	23513-14-6		
34	Dichlorobenzamil	Calcium channels	5mg/mL	1166-01-4		
34	Glipizide	Potassium channels	5mg/mL	29094-61-9	n=7/8 normal	
34	PCO-400	Potassium channels	5mg/mL	121055-10-5		
34	NapSul-Ile-Trp-CHO	Cathepsin L inhibitor	5mg/mL			
34	Betulinic acid	induces mitochondrial permeability pore opening	5mg/mL	472-15-1		
35	Diltiazem	Calcium channels	5mg/mL	33286-22-5		
35	Glyburide	Potassium channels	5mg/mL	10238-21-8	n=4/4 normal	
35	Quinine	Potassium channels	5mg/mL	6119-47-7		
35	U-37883A	Potassium channels	5mg/mL	57568-80-6		
35	Deprenyl	inhibits glyceraldehyde-3-phosphate dehydrogenase	5mg/mL	14611-52-0		
36	Nifedipine	Calcium channels	5mg/mL	21829-25-4		
36	QX-314	Sodium channels	5mg/mL	21306-56-9	n=3/4 normal	
36	U-50488	Calcium channels	5mg/mL	67198-13-4		
36	Boc-GVV-CHO	Gamma secretase inhibitor	5mg/mL			
36	1400W	iNOS inhibitor	5mg/mL			
37	E-4031	Potassium channels	5mg/mL	113558-89-7		
37	Grayanotoxin III	Sodium channels	5mg/mL	4678-45-9	n=4/4 abnormal	
37	Phenamil	Sodium channels	5mg/mL	2038-35-9	n=2/4 misguided and n=2/4 reduced regrowth	Phenamil (1:500)
37	Verapamil	Calcium channels	5mg/mL	23313-68-0		Verapamil (1:500)
37	Bestatin	Aminopeptidase inhibitor	5mg/mL	65391-42-6		
38	Flecainide	Sodium channels	5mg/mL	54143-56-5		
38	IAA-94	Misc. channels	5mg/mL	54197-31-8	n=4/4 normal	
38	Ala-Ala-Phe-CMK	Tripeptidyl peptidase II inhibitor	5mg/mL			
38	Fumonisin B1	inhibits ceramide synthase	5mg/mL	116355-83-0		
38	Tanshinone IIA	AP-1 inhibitor	5mg/mL			

39	L-cis-Diltiazem	Calcium channels	5mg/mL		
39	Lidocaine	Sodium channels	5mg/mL	6108-05-0	n=8/8 normal
39	Phenytoin	Sodium channels	5mg/mL	57-41-0	
39	YS035	Calcium channels	5mg/mL	33978-72-2	
39	Bromo-cAMP [8-Bromo-cAMP]	PKA activator	5mg/mL	76939-46-3	
40	Tetrandrine	Calcium channels	5mg/mL	518-34-3	none of the individual compounds caused abnormal regrowth
40	Ac-Leu-Leu-Nle-CHO	Calpain inhibitor	5mg/mL		
40	Lycorine	inhibits TNFalpha production	5mg/mL	476-28-8	
40	A-3	kinase inhibitor	5mg/mL		
40	AG-1296	c-kit, FGF and PDGF kinase inhibitor	5mg/mL	146535-11-7	
41	TRIM	bNOS/iNOS inhibitor	5mg/mL	25371-96-4	
41	Acetyl (N)-S-farnesyl-L-cysteine	farnesylation inhibitor	5mg/mL	135304-07-3	n=8/8 normal
41	Milrinone	phosphodiesterase (PDE3) inhibitor	5mg/mL	78415-72-2	
41	8-Methoxymethyl-IBMX	phosphodiesterase (PDE1) inhibitor	5mg/mL	78033-08-6	
41	Cimaterol	adrenoceptor agonist (beta)	5mg/mL	54239-37-1	
42	MDL-28170	Calpain inhibitor	5mg/mL	88191-84-8	
42	Actinomycin D	transcription inhibitor	5mg/mL	50-76-0	n=3/3 normal
42	PRIMA-1	p53 reactivator	5mg/mL	5608-24-2	
42	B581	farnesyltransferase inhibitor	5mg/mL	149759-96-6	
42	CinnGEL 2Me	PTP1B inhibitor	5mg/mL		
43	Zaprinast	phosphodiesterase (PDE1) inhibitor	5mg/mL	37762-06-4	
43	Arvanil	Vanilloid receptor agonist	5mg/mL		n=3/3 normal
43	BADGE	PPAR gamma antagonist	5mg/mL	1675-54-3	
43	Bromo-cGMP [8-Bromo-cGMP]	PKG activator	5mg/mL	51116-01-9	
43	Cirazoline	adrenoreceptor agonist (alpha)	5mg/mL	40600-13-3	
44	MG-132	Proteasome inhibitor	5mg/mL	133407-82-6	
44	Bumetanide	Na+K+Cl- cotransport inhibitor	5mg/mL	28395-03-1	n=4/4 normal
44	5'-N-Ethylcarboxamidoadenosine (NECA)	adenosine receptor agonist	5mg/mL	78647-50-4	
44	Capsacin(E)	vanilloid receptor agonist	5mg/mL	404-86-4	
44	Clonidine	adrenoreceptor agonist (alpha)	5mg/mL	4205-91-8	
45	AG213 (Tyrphostin 47)	EGF-R tyrosine kinase inhibitor	5mg/mL	122520-86-9	
45	Aminobenzamide (3-ABA) [3-Aminobenzamide (3-ABA)]	ADP ribose polymerase, apoptosis inhibitor	5mg/mL	3544-24-9	n=4/4 normal

45	BAPTA-AM	cell permeable Ca ⁺⁺ chelator	5mg/mL	139890-68-9	
45	BW-B 70C	5 lipoxygenase inhibitor	5mg/mL	134470-38-5	
45	Capsazepine	vanilloid receptor antagonist	5mg/mL	138977-28-3	
46	Bezafibrate	PPAR alpha agonist	5mg/mL	41859-67-0	
46	Siguazodan	phosphodiesterase (PDE3) inhibitor	5mg/mL	115344-47-3	n=6/7 normal
46	AG-370	PDGF receptor kinase inhibitor	5mg/mL		
46	CA-074-Me	Cathepsin B inhibitor	5mg/mL		
46	Castanospermine	glucosidase inhibitor	5mg/mL	79831-76-8	
47	Cycloheximide-N-ethylethanoate	FKBP12 inhibitor	5mg/mL		
47	AG-490	JAK2 inhibitor	5mg/mL		n=4/4 normal
47	Bongkrelic acid	ANT inhibitor	0.5mg/mL	11076-19-0	
47	SB-415286	GSK3 beta inhibitor	5mg/mL	264218-23-7	
47	Ascomycin (FK-520)	binds to FKBP inhibits calcineurin	5mg/mL	11011-38-4	
48	Anisomycin	MAP kinase activator	5mg/mL	22862-76-6	
48	Ro 20-1724	phosphodiesterase (PDE4) inhibitor	5mg/mL	29925-17-5	n=4/4 normal
48	Aphidicolin	DNA polymerase inhibitor	5mg/mL	38966-21-1	
48	IB-MECA	Adenosine receptor agonist	5mg/mL	152918-18-8	
48	Cyclosporin A	calcineurin inhibitor	5mg/mL	59865-13-3	
49	Alamethicin	monovalent cation ionophore	5mg/mL	27061-78-5	
49	Calpeptin	Calpain inhibitor	5mg/mL		n=5/5 normal
49	Calphostin C	PKC inhibitor	0.5mg/mL	121263-19-2	
49	Chelerythrine	PKC inhibitor	5mg/mL	3895-92-9	
49	Cytochalasin B	F actin capper	5mg/mL	14930-96-2	
50	EHNA HCl	Phosphodiesterase (PDE2) inhibitor/adenosine deaminase inhibitor	5mg/mL	51350-19-7	
50	Go6976	PKC inhibitor	5mg/mL		n=7/8 abnormal n=5/8 misguided and n=2/8 reduced regrowth
50	KN-62	CaM kinase II inhibitor	5mg/mL	127191-97-3	
50	L-NAME	NO synthesis inhibitor	5mg/mL	51298-62-5	
50	Methotrexate	DHFR inhibitor	5mg/mL	59-05-2	
51	6,7-ADTN HBr	Dopamine agonist	5mg/mL	73304-33-3	
51	Pregnenolone 16 α carbonitrile	PXR/SXR agonist	5mg/mL	1434-54-4	n=4/4 normal
51	Estradiol	estrogen	5mg/mL	50-28-2	
51	H7	kinase inhibitor	5mg/mL	84477-87-2	

Go6976 (1:200)

51	KT-5720	PKA inhibitor	0.5mg/mL	108068-98-0		
52	Decoyinine	lowers GTP levels	5mg/mL	2004-04-8		
52	ICRF-193	topo II inhibitor that does not cause DNA breaks	5mg/mL	21416-68-2	n=4/4 normal	
52	L-744,832	Ras farnesyltransferase inhibitor	5mg/mL			
52	5-Iodotubercidin	ERK-2 inhibitor	5mg/mL	24386-93-4		
52	Mitomycin C	cross links DNA	5mg/mL	50-07-7		
53	Deoxymannojirimycin(1)	mannosidase inhibitor	5mg/mL	84444-90-6		
53	Doxorubicin	topoisomerase II inhibitor, induces apoptosis	5mg/mL	25316-40-9	n=3/3 normal	
53	H9	kinase inhibitor	5mg/mL	116700-36-8		
53	HA1077	inhibitor of Rho-dependent kinases	5mg/mL	103745-39-7		
53	Indomethacin	cyclooxygenase inhibitor	5mg/mL	53-86-1		
54	Deoxynorjirimycin(1)	glucosidase inhibitor	5mg/mL	19130-96-2		
54	DRB	CKII inhibitor	5mg/mL	53-85-0	n=4/8 abnormal	
54	HA-1004	kinase inhibitor	5mg/mL	91742-10-8	n=2/8 misguided and n=2/8 reduced regrowth	HA-1004 (1:200)
54	IBMX	PDE inhibitor (broad spec), adenosineR agonist	5mg/mL	28800-58-4		
54	Lavendustin A	Tyrosine kinase inhibitor EGF-R)	5mg/mL	125697-92-9		Lavendustin A (1:200)
55	Dexamethasone	corticosteroid	5mg/mL	50-02-2		Dexamethasone (1:200)
55	MnTBAP	SOD mimetic	5mg/mL		n=4/8 abnormal	MnTBAP (1:200)
55	Genistein	Tyrosine kinase inhibitor	5mg/mL	446-72-0	n=3/8 misguided and n=1/8 reduced regrowth	
55	N9-Isopropylolomoucine	CDC-2 kinase inhibitor	5mg/mL			
55	Monastrol	Eg5 inhibitor	5mg/mL			
56	E6 Berbamine	calmodulin inhibitor	5mg/mL			
56	HBDDE	PKC inhibitor	5mg/mL		n=4/4 normal	
56	Leupeptin	protease inhibitor	5mg/mL	103476-89-7		
56	E-64-d	calpain/cathepsin inhibitor	5mg/mL	88321-09-9		
56	GM6001	broad spectrum MMP inhibitor	5mg/mL			
57	Dibutyrylcyclic AMP	PKA activator	5mg/mL	16980-89-5		
57	MCI-186	antioxidant, cytoprotectant	5mg/mL	89-25-8	n=4/4 normal	
57	Dibutyrylcyclic GMP	PKA activator	5mg/mL	51116-00-8		
57	Histamine	Histamine receptor agonist	5mg/mL	51-74-1		
57	RWJ-60475-(AM)3	CD45 phosphatase inhibitor	5mg/mL			
58	HNMPA-(AM)3	Insulin receptor TK inhibitor	5mg/mL			

58	LFM-A13	BTK inhibitor	5mg/mL		tested fish died
58	FK-506	FKBP ligand	5mg/mL	104987-11-3	pool toxic
58	Phenanthridinone [6(5H)-Phenanthridinone]	PARP inhibitor	5mg/mL	1015-89-0	
58	Puromycin	protein synthesis inhibitor	5mg/mL	3506-23-8	
59	OBAA	phospholipase A2 inhibitor	5mg/mL		
59	SB-431542	ALK4, ALK5, ALK7 inhibitor	5mg/mL	301836-41-9	n=7/8 normal
59	SQ22536	adenylate cyclase inhibitor	5mg/mL	17318-31-9	
59	Tyrphostin AG-825	HER-1,2 tyrosine kinase inhibitor	5mg/mL		
59	Z-VAD-FMK	Caspase inhibitor (broad spectrum)	5mg/mL		
60	SB 203580	Suppressor of MAPKAP kinase-2	5mg/mL	152121-47-6	SB 203580 (1:100)
60	Alrestatin	aldose reductase inhibitor	5mg/mL	51411-04-2	n=4/4 abnormal
60	Kavain (±)	voltage-dependent Na channel inhibitor	5mg/mL	500-64-1	n=2/4 misguided and n=2/4 reduced regrowth
60	U-0126	MEK inhibitor	5mg/mL		U-0126 (1:300)
60	PD 98059	MEK inhibitor	5mg/mL	167869-21-8	
61	Pifithrin	p53 inhibitor	5mg/mL	63208-82-2	Pifithrin (1:100)
61	CITCO	Const. androstane receptor (CAR) agonist	5mg/mL		n=4/4 abnormal
61	SP-600125	JNK inhibitor	5mg/mL	129-56-6	n=4/4 reduced regrowth
61	Quercetin	kinase inhibitor (plus other)	5mg/mL	6151-25-3	SP-600125 (n=4/4 reduced regrowth, 1:100)
61	SB 202190	MAP kinase inhibitor	5mg/mL		SB 202190 (1:100)
62	Olomoucine	CDK inhibitor	5mg/mL	101622-51-9	
62	Piroxicam	COX1 inhibitor	5mg/mL	36322-90-4	n=4/4 normal
62	Swainsonine	protein glycosylation inhibitor	5mg/mL	72741-87-8	
62	Vinblastine	tubulin inhibitor	5mg/mL	143-67-9	
62	Mycophenolic acid	Inosine-5'-monophosphate dehydrogenase inhibitor	5mg/mL	24280-93-1	
63	Ouabain	Na+K+ATPase inhibitor	5mg/mL	11018-89-6	
63	Cyclopamine	Hedgehog pathway inhibitor	5mg/mL	4449-51-8	n=4/4 normal
63	Cyclo [Arg-Gly-Asp-D-Phe-Val]	integrin inhibitor	5mg/mL		
63	Serotonin	serotonin receptor agonist	5mg/mL	153-98-0	
63	W7	calmodulin antagonist	5mg/mL	61714-27-0	
64	Diazoxide	Potassium channels	5mg/mL	364-98-7	
64	Minoxidil sulfate	Potassium channels	5mg/mL	83701-22-8	n=4/4 normal
64	RHC-80267	DAG lipase inhibitor	5mg/mL	83654-05-1	

64	Resveratrol	SIRT1 activator	5mg/mL	501-36-0		
64	Y-27632	ROCK inhibitor	5mg/mL	146986-50-7		
64	Xestospongin C	IP3 receptor blocker	0.5mg/mL			
65	Prazocin	adrenoreceptor agonist	5mg/mL	19216-56-9		
65	Thalidomide	TNFalpha synthesis inhibitor	5mg/mL	50-35-1	n=4/4 normal	
65	Tyrphostin AG-126	tyrosine kinase inhibitor	5mg/mL			
65	Yohimbine	Adrenoreceptor antagonist (alpha)	5mg/mL	146-48-5		
65	Cerulenin	Fatty acid biosynthesis inhibitor	5mg/mL	17397-89-6		
66	Propidium iodide	DNA intercalator	5mg/mL	25535-16-4		
66	Roscovitine	CDK inhibitor	5mg/mL		n=4/4 abnormal	Roscovitine (1:500)
66	Thiocitrulline [L-Thiocitrulline HCl]	bNOS inhibitor	5mg/mL	156719-37-8	n=1/4 misguided and n=3/4 reduced regrowth	
66	Tyrphostin 1	Calcineurin inhibitor	5mg/mL	2826-26-8		Tyrphostin 1 (n=4/4 reduced regrowth, 1:1000)
66	Z-Leu3-VS	Proteasome inhibitor	5mg/mL			
67	Pepstatin	protease inhibitor	5mg/mL	26305-03-3		
67	Propranolol (S-)	adrenoceptor antagonist (beta)	5mg/mL	4199-10-4	n=4/4 normal	
67	Piceatannol	Syk inhibitor	5mg/mL	10083-24-6		
67	GF-109203X	PKC inhibitor	5mg/mL	133052-90-1		
67	ZM336372	Raf inhibitor	5mg/mL			
68	6-Formylindolo [3,2-B] carbazole	AHR agonist	1mM	172922-91-7		
68	NS-1619	Potassium channels	5mg/mL	153587-01-0	n=3/4 abnormal	
68	Phentolamine	Potassium channels	5mg/mL	73-05-2	n=3/4 reduced regrowth	
68	10-Hydroxycamptothecin	topoisomerase 1 inhibitor	5mg/mL	64439-81-2		10-Hydroxycamptothecin (n=4/4 reduced regrowth, 1:600)
68	Ro 31-8220	PKC inhibitor	5mg/mL	138489-18-6		
69	Juglone	PIN1 inhibitor	5mg/mL	481-39-0		
69	Rapamycin	FRAP inhibitor	5mg/mL	53123-88-9	n=2/4 abnormal	none of the individual compounds caused abnormal regrowth
69	Indirubin	GSK-3beta inhibitor	5mg/mL	479-41-4	n=2/4 reduced regrowth	
69	Nafamostst mesylate	Serine protease inhibitor	5mg/mL	82956-11-4		

toxic compounds excluded from further testing

1,25-Dihydroxyvitamin D3	Vitamin D receptor agonist	1mM	32222-06-3
24,25-Dihydroxyvitamin D3	Vitamin D receptor ligand	1mM	40013-87-4
25-Hydroxyvitamin D3	Vitamin D receptor ligand	1mM	19356-17-3
C8 Ceramide	Stimulates Cer-activated PK	1mM	
REV-5901	5-Lipoxygenase inhibitor	1mM	101910-24-1
TTNPB	Retinoid RAR agonist	1mM	71441-28-6
Aconitine	Sodium channels	5mg/mL	302-27-2
Amiodarone	Calcium channels	5mg/mL	1951-25-3
A-23187	Calcium ionophore	5mg/mL	52665-69-7
Bay K-8644	Calcium channels	5mg/mL	98791-67-4
Bepridil	Calcium channels	5mg/mL	74764-40-2
Cyclopiazonic acid	Intracellular calcium	5mg/mL	18172-33-3
Fipronil	Misc. channels	5mg/mL	120068-37-3
Flufenamic acid	Potassium channels	5mg/mL	530-78-9
Flunarizine	Calcium channels	5mg/mL	30484-77-6
Fluspiriline	Potassium channels	5mg/mL	1841-19-6
FPL-64176	Calcium channels	5mg/mL	120934-96-5
Nicardipine	Calcium channels	5mg/mL	54527-84-3
Niflumic acid	Misc. channels	5mg/mL	4394-00-7
Niguldipine	Calcium channels	5mg/mL	113317-61-6
Nimodipine	Calcium channels	5mg/mL	66085-59-4
Nitrendipine	Calcium channels	5mg/mL	39562-70-4
N-Phenylanthranilic acid	Misc. channels	5mg/mL	91-40-7
NPPB	Misc. channels	5mg/mL	107254-86-4
Paxilline	Potassium channels	5mg/mL	57186-25-1
Penitrem A	Potassium channels	5mg/mL	12627-35-9
Pimozide	Calcium channels	5mg/mL	2062-78-4
Ryanodine	Intracellular calcium	5mg/mL	15662-33-6
SDZ-201106	Sodium channels	5mg/mL	97730-95-5
SKF-96365	Calcium channels	5mg/mL	130495-35-1
Thapsigargin	Intracellular calcium	5mg/mL	67526-95-8

Veratridine	Sodium channels	5mg/mL	71-62-5
ZM226600	Potassium channels	5mg/mL	
Tosyl-Phe-CMK (TPCK)	Serine protease inhibitor	5mg/mL	402-71-1
3,4-Dichloroisocoumarin	Granzyme B inhibitor	5mg/mL	51050-59-0
HA14-1	Bcl-2 ligand induces apoptosis inhibits mitochondrial permeability pore opening	5mg/mL	55486-00-5
Decylubiquinone	inhibits NFkappaB transcriptional activation	5mg/mL	38748-32-2
Triptolide	induces intracellular acidification	5mg/mL	28380-24-7
Nigericin	topoisomerase 1 inhibitor	5mg/mL	4707-32-8
β-Lapachone	IkappaB kinase inhibitor	5mg/mL	20554-84-1
Parthenolide	NFkappaB inhibitor	5mg/mL	6754-13-8
Helenalin	superoxide/free-radical inhibitor	5mg/mL	153190-29-5
U-74389G	glutathione peroxidase mimetic	5mg/mL	60940-34-3
Ebselen	phosphodiesterase (PDE1/2) inhibitor	5mg/mL	101975-10-4
Zardaverine	phosphodiesterase (PDE1) inhibitor	5mg/mL	42971-09-5
Vinpocetine	phosphodiesterase (PDE3) inhibitor	5mg/mL	78416-81-6
Trequinsin	phosphodiesterase (PDE4) inhibitor	5mg/mL	61413-54-5
Rolipram	phosphodiesterase (PDE5) inhibitor Tyrosine kinase inhibitor. Broad spectrum	5mg/mL	78351-75-4
MY-5445		5mg/mL	153436-53-4
AG1478	NGF receptor inhibitor inhibits clathrin coated pit mediated endocytosis	5mg/mL	36531-78-9
AG-879	PARP inhibitor	5mg/mL	1742-95-6
Ikarugamyin Amino-1,8-naphthalimide [4-Amino- 1,8-naphthalimide]	HSP-90 inhibitor	5mg/mL	75747-14-7
17-Allylamino-geldanamycin	phospholipase A2 inhibitor	5mg/mL	313-67-7
Aristolochic acid	phosphodiesterase (PDE5) inhibitor	5mg/mL	
MBCQ	vacuolar ATPase inhibitor	0.5mg/mL	88899-55-2
Bafilomycin A1	Myosin II inhibitor	5mg/mL	
Blebbistatin	ARF GEF inhibitor	5mg/mL	20350-15-6
Brefeldin A Bromo-7-nitroindazole [3-Bromo-7- nitroindazole]	NO synthase inhibitor	5mg/mL	74209-34-0
Calyculin A	PP1, PP2A inhibitor	0.5mg/mL	101932-71-2
Camptothecin	Topoisomerase 1 inhibitor	5mg/mL	7689-03-4
Cantharidin	PP2A inhibitor	5mg/mL	56-25-7
Dipyridamole	cGMP phosphodiesterase inhibitor	5mg/mL	58-32-2

CGP-37157	inhibitor of mitochondrial Na+Ca+2 exchange	5mg/mL	75450-34-9
CAPE	Antioxidant/ NFkappa B inhibitor	5mg/mL	104594-70-9
Clozapine	Dopamine antagonist	5mg/mL	5786-21-0
Curcumin	NFkappaB inhibitor	5mg/mL	458-37-7
Cycloheximide	protein synthesis inhibitor	5mg/mL	66-81-9
Cypermethrin	calcineurin inhibitor	5mg/mL	52315-07-8
Cytochalasin D	F actin capper	5mg/mL	22144-77-0
D609	PC-PLC inhibitor	5mg/mL	83373-60-8
Damnacanthal	p56lck inhibitor	5mg/mL	477-84-9
YC-1	GC stimulator / Hif-1 alpha inhibitor	5mg/mL	
GW-9662	PPAR gamma antagonist	5mg/mL	22978-25-2
Hinokitiol	Iron chelator	5mg/mL	499-44-5
Diphenyleiodonium Cl	flavoprotein inhibitor	5mg/mL	10182-84-0
2,5-Ditertbutylhydroquinone	ER Ca++ ATPase inhibitor	5mg/mL	88-58-4
Etoposide	topoisomerase II inhibitor	5mg/mL	33419-42-0
FCCP	mitochondrial uncoupler	5mg/mL	370-86-5
Forskolin	Adenylate cyclase activator	5mg/mL	66575-29-9
Geldanamycin	HSP90 inhibitor	5mg/mL	30562-34-6
Nimesulide	Cox 2 inhibitor	5mg/mL	51803-78-2
H-89	PKA inhibitor	5mg/mL	127243-85-0
Hoechst 33342 (cell permeable) (BisBenzimide)	DNA minor groove binder	5mg/mL	23491-52-3
Huperzine A [(-)-Huperzine A]	acetylcholinesterase inhibitor	5mg/mL	102518-79-6
24(S)-Hydroxycholesterol	LXR agonist	5mg/mL	
Ionomycin	Ca++ ionophore	5mg/mL	56092-81-0
NSC-95397	CDC25 phosphatase inhibitor	5mg/mL	93718-83-3
K252A	Kinase inhibitor (Broad spectrum)	0.5mg/mL	97161-97-2
Furoxan	NO donor	5mg/mL	
Latrunculin B	Actin inhibitor	5mg/mL	76343-94-7
Bay 11-7082	Inhibits IKK kinase activation	5mg/mL	195462-67-7
Tyrphostin-8	Calcineurin inhibitor	5mg/mL	
LY-294002	PI-3-Kinase inhibitor Inhibits NO-activation of guanylate cyclase	5mg/mL	154447-36-6
LY-83583		5mg/mL	91300-60-6
Manoalide	Phospholipase A2 inhibitor	5mg/mL	75088-80-1

Manumycin A	ras farnesylation inhibitor	5mg/mL	52665-74-4
Mastoparan	activates heterotrimeric GTPases Inhibitor of 20S-proteasome	5mg/mL	72093-21-1
Gliotoxin	chymotrypsin activity	5mg/mL	67-99-2
Epibatidine (±)	nicotinic cholinergic agonist	5mg/mL	140111-52-0
Mevinolin (Lovastatin)	Inhibitor HMG-CoA reductase	5mg/mL	75330-75-5
ML7	kinase inhibitor	5mg/mL	109376-83-2
ML9	kinase inhibitor	5mg/mL	105637-50-1
GW-5074	cRAF1 kinase inhibitor	5mg/mL	220904-83-6
Monensin	Na ⁺ ionophore	5mg/mL	22373-78-0
Nocodazole	tubulin inhibitor	5mg/mL	31430-18-9
Oligomycin A	F _o ATP synthase inhibitor	5mg/mL	579-13-5
PCA 4248	PAF antagonist	5mg/mL	
SU-4312	VEGF-R (Flk-1) tyrosine kinase	5mg/mL	5812-07-7
Phorbol 12 myristate 13 acetate	PKC activator	5mg/mL	16561-29-8
PP1	src family tyrosine kinase inhibitor	5mg/mL	
RK-682	VHR phosphatase inhibitor	5mg/mL	
Rottlerin	PKC delta inhibitor	5mg/mL	82-08-6
Indirubin-3'-monoxime	GSK-3beta inhibitor	5mg/mL	
Splitomycin	sir2p inhibitor	5mg/mL	
PP2	Src family tyrosine kinase inhibitor	5mg/mL	
Staurosporine	kinase inhibitor - non-selective	5mg/mL	62996-74-1
Tamoxifen	estrogen antagonist	5mg/mL	54965-24-1
RG-14620	EGF-R tyrosine kinase inhibitor	5mg/mL	136831-49-7
TPEN	cell permeable heavy metal chelator	5mg/mL	16858-02-9
Trichostatin-A	histone deacetylase inhibitor	5mg/mL	58880-19-6
Trifluoperazine	calmodulin inhibitor-possibly only at high concentrations!	5mg/mL	440-17-5
Tunicamycin	glycosylation inhibitor	5mg/mL	11089-65-9
Tyrphostin 9	PDGF-R tyrosine kinase inhibitor	5mg/mL	10537-47-0
U73122	PLC inhibitor	5mg/mL	112648-68-7
Valinomycin	K ⁺ ionophore	5mg/mL	2001-95-8
Wortmannin	PI-3Kinase, other kinases inhibitor	5mg/mL	19545-26-7
NS-398	Cox-2 inhibitor	5mg/mL	123653-11-2
AA-861	5-lipoxygenase inhibitor	5mg/mL	80809-81-0

Shikonin	Apoptosis inducer, p53 dependent	5mg/mL	517-89-5
CDC	12-Lipoxygenase inhibitor	5mg/mL	132465-11-3
Phenoxybenzamine	Calmodulin antagonist	5mg/mL	63-92-3
Wiskostatin	N-WASP inhibitor	5mg/mL	