

# Supplemental Information Table 1

## **Novel High Content Screen Detects Compounds That Promote Neurite Regeneration from Cochlear Spiral Ganglion Neurons**

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and Claus-Peter Richter<sup>1,2,5</sup>

All compounds assayed at 8.3µM  
Compounds in italics were also assayed in BMP4 medium

Nalbuphine  
Raclopride  
Zacopride  
SKF 83566  
3'-deoxydenosine  
AM 404  
PILOCARPINE HYDROCHLORIDE  
NIFEDIPINE  
Flurbiprofen  
3-HYDROXY-1,2-DIMETHYL-4(1H)-PYRIDONE  
LOXAPINE SUCCINATE  
d-3-Methoxy-N-methylmorphinan hydrobromide  
Duloxetine  
Glycine, N-[2-[(acetylthio)methyl]-1-oxo-3-phenylpropyl]-,phenylmethyl ester [CAS]  
Benzeneacetic acid, 2-[(2,6-dichlorophenyl)amino]-, monosodium salt [CAS]  
PROGESTERONE  
FAMOTIDINE  
SR 57,227A  
Pancuronium  
METRONIDAZOLE  
Benzeneacetic acid, Alpha-(hydroxymethyl)-, 9-methyl-3-oxa-9-azatricyclo[3.3.1.0<sup>2,4</sup>]non-7-yl ester, [7(S)-(1Alpha,2AfAc,4AfAc,5Alpha,7AfAc)]- [CAS]  
Benzeneacetonitrile, Alpha-[3-[[2-(3,4-dimethoxyphenyl)ethyl]methylamino]propyl]-3,4-dimethoxy-Alpha-(1-methylethyl)-, (R)- [CAS]  
Benzeneethanamine, N,Alpha-dimethyl-N-2-propynyl-(R)- [CAS]  
Capsaicin  
SALBUTAMOL SULFATE  
(±)-Vesamicol hydrochloride  
Picrotin - Picrotoxinin  
Terazosin  
diphenylcyclopropanone  
4-Thiazolidinecarboxylic acid, 2-oxo-, (R)- [CAS]  
Mesoridazine  
3(2H)-Pyridazinone, 6-[4-(difluoromethoxy)-3-methoxyphenyl]- [CAS]  
10H-Phenothiazine, 2-chloro-10-[3-(4-methyl-1-piperazinyl)propyl]- [CAS]  
1H-Cyclopenta[b]quinolin-9-amine, 2,3,5,6,7,8-hexahydro-, monohydrochloride- [CAS]  
CLOTRIMAZOLE  
LORATADINE  
PHENELZINE SULFATE SALT  
Riluzole  
Naltrindole  
Nicotine  
Bifemelane  
CGS 15943  
Cinanserin  
Cisapride  
Indatraline  
TRAZODONE HYDROCHLORIDE  
Prazosin  
URAPIDIL HYDROCHLORIDE  
(-)-Cotinine  
D-CYCLOSERINE  
Fluvoxamine  
Doxepin  
TRIFLUOPERAZINE DIHYDROCHLORIDE  
(+)-3-HYDROXY-N-METHYLMORPHINAN D-TARTRATE  
L-Ornithine, N5-[imino(methylamino)methyl]-[CAS]  
Maprotiline HCl  
Pizotyline  
BETA-ESTRADIOL  
N,N'-DIACETYL-1,6-DIAMINOHEXANE  
DIPHENHYDRAMINE HYDROCHLORIDE  
Galanthamine  
Ifenprodil  
TETRAETHYLTHIURAM DISULFIDE  
Piribedil  
KETOCONAZOLE  
TRIPLENNAMINE HYDROCHLORIDE  
Pyrazinecarboxamide, 3,5-diamino-N-(aminoiminomethyl)-6-chloro- [CAS]  
9-AMINO-1,2,3,4-TETRAHYDROACRIDINE HYDROCHLORIDE  
ETHYNYLESTRADIOL  
2(1H)-Pyrimidinone, 4-amino-1-ÅfÅç-D-arabinofuranosyl- [CAS]  
L-Glutamic acid, N-[4-[[[(2,4-diamino-6-pteridinyl)methyl]methylamino]benzoyl]- [CAS]  
TFMPP  
Pramipexole  
LIDOCAINE  
Indomethacin  
LY 171883  
Paroxetine

<i>Epigallocatechin gallate</i>
5-Amino-2-hydroxy-benzoic acid
<i>Oxiranecarboxylic acid, 2-[6-(4-chlorophenoxy)hexyl]-, ethyl ester- [CAS]</i>
Cephalexin monohydrate
PIDOTIMOD
RAMIPRIL
LEVOFLOXACIN
19-Nortestosterone
NIZATIDINE
5-FLUOROCYTOSINE
Trileptal
TROXIPIDE
ACTARIT
AZELASTINE HCl
TOCAINIDE
TAXIFOLIN-(+/-)
FENPIVERINIUM BROMIDE
CEFATRIZINE PROPYLENE GLYCOL
IDEBENONE
LEVOSULPIRIDE
Pemoline
LETROZOLE
MEROPENEM
ORLISTAT
ONDANSETRON HCl
LEVONORGESTREL
CETRAXATE HCl
Alprazolam
LAMOTRIGINE
CROTAMITON
AMFEBUTAMONE HCl
ALFUZOSIN
Amisulpride
LOFEPRAMINE
PEROSPIRONE HCl
DOCETAXEL
HONOKIOL
TOLTERODINE TARTRATE
CARMOFUR
PAROXETINE
OLMESARTAN MEDOXOMIL
LOSARTAN Potassium
TEMOZOLOMIDE
Methyltestosterone
TOSUFLOXACIN TOSYLATE
MECILLINAM
ATOMOXETINE HCl
ARTESUNATE
ITRACONAZOLE
CEFPODOXIME PROXETIL
BUFLUMEDIL HYDROCHLORIDE
4-Chloro-N-(2-morpholin-4-yl-ethyl)-benzamide
HALOMETASONE MONOHYDRATE
TRICLABENDAZOLE
ROFECOXIB
BISOPROLOL FUMARATE
EZETIMIBE
TIAGABINE HCl
IDARUBICIN HCl
FLUBENDAZOLE
TACROLIMUS
VALACICLOVIR HYDROCHLORIDE
CLARITHROMYCIN
ARIPIPRAZOLE
TRIMEBUTINE MALEATE
Mestanolone
NISOLDIPINE
PICEID
1-(2-Methyl-5-nitro-imidazol-1-yl)-propan-2-ol
NIFEKALANT HCl
NATEGLINIDE
MEGESTROL ACETATE
ORMETOPRIM
ZILEUTON
STAVUDINE
GABEXATE MESYLATE
OXICONAZOLE NITRATE
KITASAMYCIN
FAMCICLOVIR
(±)-Sotalol hydrochloride
RUFLOXACIN HCl
TAXIFOLIN-(+)

ALOSETRON HCl
BUPROPION HYDROCHLORIDE
IRSOGLADINE MALEATE
ACARBOSE
BENPROPERINE PHOSPHATE
PHENPROBAMATE
MEMANTINE HYDROCHLORIDE
Carvedilol
LOMIFYLLINE
PAZUFLOXACIN
MIGLITOL
TRANILAST
OLANZAPINE
Nefazodone
MOXIFLOXACIN HCl
NELFINAVIR MESYLATE
PRAVASTATIN Sodium
TOPOTECAN HCl
LEVETIRACETAM
PRAMIPEXOLE HCl
RISPERIDONE
PIOGLITAZONE HCl
CILASTATIN Na
ARGATROBAN
VALDECOXIB
NAFTOPIDIL
Nobiletin
FINASTERIDE
ZOLPIDEM TARTRATE
Viramune
TOPIRAMATE
VORICONAZOLE
FENOLDOPAM MESYLATE
ROSIGLITAZONE MALEATE
ESCITALOPRAM OXALATE
ZERANOL
LATANOPROST
2',3'-DIDEOXYINOSINE
Sertraline
CALCIPOTRIOL
EPIRUBICIN HYDROCHLORIDE
BICALUTAMIDE
BENIDIPINE HCl
AMLEXANOX
CERIVASTATIN Na
ICARIIN
METHYLANDROSTENEDIOL
TRIPTOLIDE
ROSIGLITAZONE HCl
FTORAFUR
OLIGOMYCIN C
BENAZEPRIL HCl
Oxymetholone
IPRIFLAVONE
OXAPROZIN
ROLIPRAM
MOSAPRIDE CITRATE
Isoquercitrin
FLUMAZENIL
OZAGREL HCl
HYPEROSIDE
RIFABUTIN
ESMOLOL HYDROCHLORIDE
TADALAFIL
Modafinil
DOXORUBICIN HYDROCHLORIDE
MOXONIDINE HCl
Nitrazepam
PEFLOXACIN MESYLATE
VENLAFAXINE HCl
PANTOPRAZOLE SODIUM SALT
FLUTICASONE PROPIONATE
INDINAVIR SULPHATE
MIDAZOLAM HCl
LAMIVUDINE
PROCARBAZINE HCl
ESOMEPRAZOLE Mg
SULFASALAZINE
TORASEMIDE
TROPISETRON HCl
Ranolazine dihydrochloride
NITRENDIPINE

SAQUINAVIR MESYLATE
BIFONAZOLE
SUMATRIPTAN SUCCINATE
EXEMESTANE
NITAZOXANIDE
Diazepam
QUETIAPINE HEMIFUMARATE
RUTIN
PENCICLOVIR
CALCITRIOL
DIPHENOXYLATE
Felbamate
DROPERIDOL
Pentoxifylline
TORADOL
RITONAVIR
VINORELBINE BITRATE
LINEZOLID
LOMERIZINE DiHCl
EFAVIRENZ
IRBESARTAN
REPAGLINIDE
Ethylestrenol
PTEROSTILBENE
ROXATIDINE ACETATE HCl
DEXBROMPHENIRAMINE MALEATE
ANAGRELIDE HCl
TEGASEROD MALEATE
MILRINONE
LEVOCETIRIZINE
Citalopram hydrobromide
TICLOPIDINE HCl
LOXOPROFEN SODIUM
ZAFIRLUKAST
TERBINAFINE HCl
ISRADIPINE
VALSARTAN
Piroxicam
GLYCOPYRROLATE
Physostigmine
LOBELINE HYDROCHLORIDE
DOXYLAMINE SUCCINATE
Milnacipran
5-fluoro-2-pyrimidone
Chlorpheniramine
DOFETILIDE
FORMOTEROL FUMARATE DIHYDRATE
RIZATRIPTAN BENZOATE
RIFAPENTINE
LOTEPREDNOL ETABONATE
ENALAPRILAT
Donepezil
Nimetazepam
NICORANDIL
TELMISARTAN
ITOPRIDE HCl
RIFAXIMIN
MONTELUKAST Na
2',3'-DIDEOXYCYTIDINE
1H-Imidazol-2-amine, N-(2,6-dichlorophenyl)-4,5-dihydro- [CAS]
6H-Pyrido[2,3-b][1,4]benzodiazepin-6-one, 11-[[2-[(diethylamino)methyl]-1-piperidinyl]acetyl]-5,11-dihydro- [CAS]
1H-Indole-2-propanoic acid, 1-[(4-chlorophenyl)methyl]-3-[(1,1-dimethylethyl)thio]-Alpha,Alpha-dimethyl-5-(1-methylethyl)- [CAS]
1H-Imidazole-5-carboxylic acid, 1-(1-phenylethyl)-, ethyl ester, (R)- [CAS]
Acetamide, 2-amino-N-(1-methyl-1,2-diphenylethyl)-, (+/-)- [CAS]
Altanserin
BETAXOLOL HYDROCHLORIDE
IDARUBICIN
Azasetron
GR 89696
DELTA1-HYDROCORTISONE 21-HEMISUCCINATE SODIUM SALT
DIAZOXIDE
2-CHLOROADENOSINE
ORNIDAZOLE
1,1-DIMETHYL-4-PHENYLPYPERAZINIUM IODIDE
PIRENPERONE
MESTRANOL
2-(2-AMINOETHYL)PYRIDINE
BENACTYZINE HYDROCHLORIDE
DICHLOROACETIC ACID
BESTATIN
TOREMIFENE CITRATE
GOSERELIN ACETATE

SECOISOLARICIREBINOL
RALTITREXED
DOXAPRAM HYDROCHLORIDE
RU 24969
Brucine
TRYPTOLINE
FLUPHENAZINE HYDROCHLORIDE
PALONOSETRON HCl
NAPROXEN SODIUM
MEPIVACAINE HYDROCHLORIDE
3-[3,5-DIBROMO-4-HYDROXYBENZOYL]-2-ETHYLBENZOFURAN
NIMODIPINE
ROLITETRACYCLINE
MEPIRIZOLE
6-AZAURIDINE
Reichstein A's substance S
3-PYRIDINEMETHANOL
Haloperidol
Stiripentol
Fluperlapine
OXYPHENONIUM BROMIDE
Homoveratrylamine
TINIDAZOLE
XANTHINOL NICOTINATE
SYNEPHRINE
RESVERATROL
MALTOL
6-AMINOINDAZOLE
ENROFLOXACIN
DEHYDROCHOLIC ACID
CEFAZOLIN
1-BENZYLIMIDAZOLE
DULOXETINE HCl
VARDENAFIL CITRATE
ROPIVACAINE HCl
ANASTROZOLE
KETOTIFEN FUMARATE
MEDROXYPROGESTERONE
Pinacidil monohydrate
7-NITROINDAZOLE
5-Methoxytryptamine
GRANISETRON HCl
Rimcazole
Nafadotride
DESOXIMETASONE
DEXCHLORPHENIRAMINE MALEATE
Guanidine, N-cyano-N'-(1,1-dimethylpropyl)-N''-3-pyridinyl- [CAS]
L-694,247
AM-251
HTMT
Benzo[a]phenanthridine-10,11-diol, 5,6,6a,7,8,12b-hexahydro-, trans- [CAS]
Methanesulfonamide, N-[4-[[1-[2-(6-methyl-2-pyridinyl)ethyl]-4-piperidinyl]carbonyl]phenyl]-, dihydrochloride [CAS]
2H-Indol-2-one, 1,3-dihydro-1-phenyl-3,3-bis(4-pyridinylmethyl)- [CAS]
Beclomethasone
OMEPRAZOLE
DOLASETRON MESYLATE
Zolmitriptan
TREMULACIN
DACTINOMYCIN
Tramadol
CHLORDIAZEPOXIDE
CEFIXIME TRIHYDRATE
CEFDINIR
LOFEXIDINE HCl
BALSALAZIDE
OLOPATADINE HCl
ITAVASTATIN Ca
CORTISONE
CYPROHEPTADINE HYDROCHLORIDE
HOMOHARRINGTONINE
CORTICOSTERONE
VECURONIUM BROMIDE
TIBOLONE
NICOTINAMIDE
NIALAMIDE
VINDESINE SULFATE
VINCRISTINE SULFATE
LACIDIPINE
MIRTAZAPINE
AMPIROXICAM
GLIMEPIRIDE
AMLODIPINE BASE

RABEPRAZOLE
CLOFAZIMINE
IRINOTECAN HCl (trihydrate)
LANSOPRAZOLE
8-Chloro-11-piperidin-4-ylidene-6,11-dihydro-5H-benzo[5,6]cyclohepta[1,2-b]pyridine
1,3,5(10)-ESTRADIEN-3-OL-17-ONE SULPHATE, SODIUM SALT
MIFEPRISTONE
Etoposide
Sibutramine
Clobenpropit
HUPERZINE A
SIBUTRAMINE HCl
Lorazepam
8-Azaspiro[4.5]decane-7,9-dione, 8-[2-[[[(2,3-dihydro-1,4-benzodioxin-2-yl)methyl]amino]ethyl]-, monomethanesulfonate [CAS]
Adenosine, N-(2-hydroxycyclopentyl)-, (1S-trans)- [CAS]
AMIODARONE HYDROCHLORIDE
mevastatin
IMATINIB MESYLATE
Metylperon
PARÉCOXIB Na
PERGOLIDE MESYLATE SALT
ATRACURIUM BESYLATE
ARTEMETHER
EBSELEN
CGS 12066B
TELITHROMYCIN
CCPA
PD 81723
Stanozolol
Zaleplon
Prostaglandin E1
Testosterone
DEHYDROEPIANDROSTERONE
SDM25N
Thiophene, 5-bromo-2-(4-fluorophenyl)-3-[4-(methylsulfonyl)phenyl]- [CAS]
5-Nonyloxytryptamine
Salmeterol
SB 205607
R(+)-SCH-23390 hydrochloride