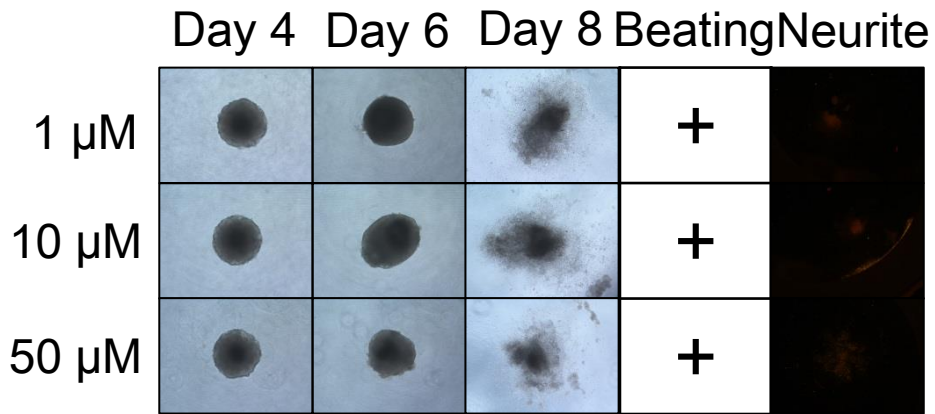


Figure S1
Screening of FDA pregnancy category D and X drugs

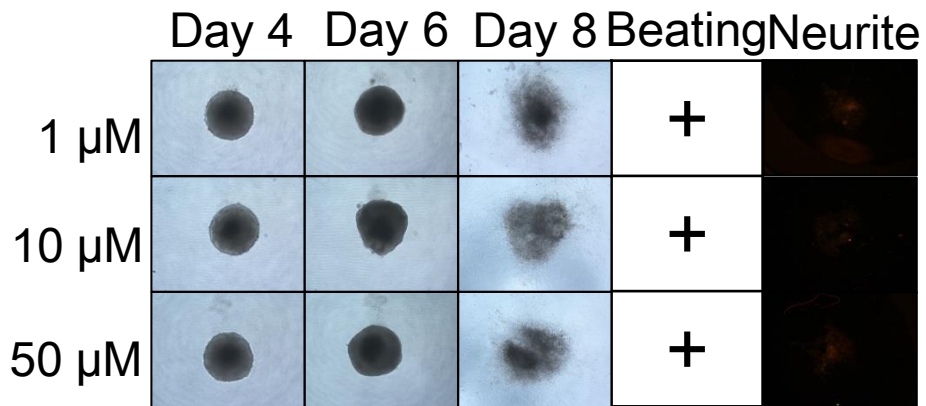
Mouse ES cells were plated in U-type 98 well plates and EBs were allowed to form. After 2 days in culture, EBs were treated with 3 concentrations of each FDA pregnancy Cat.D or Cat.X drug until day 6. Treated EBs were transferred to flat bottom 98 well plates and cultured until day 10 without drugs. Photographs of EBs under a light microscope were taken on days 4, 6 and 8. On day 10, EBs were visually evaluated for cardiomyocyte beating and immunostained to detect neurites.

Class I

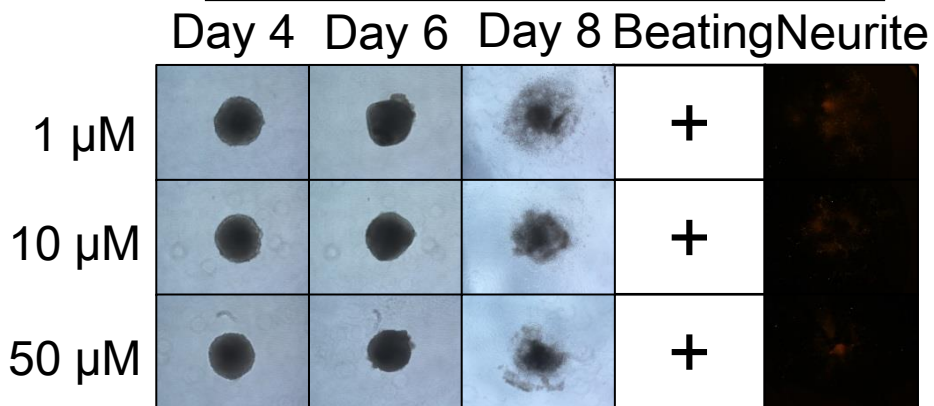
BOSENTAN



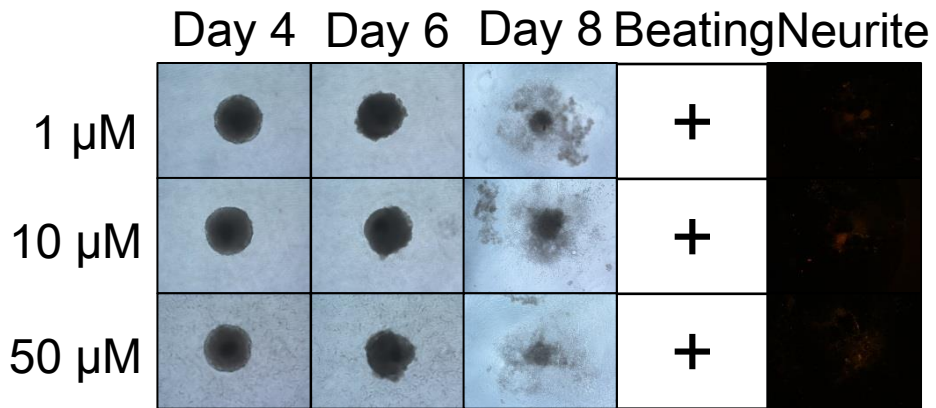
SODIUM IODIDE



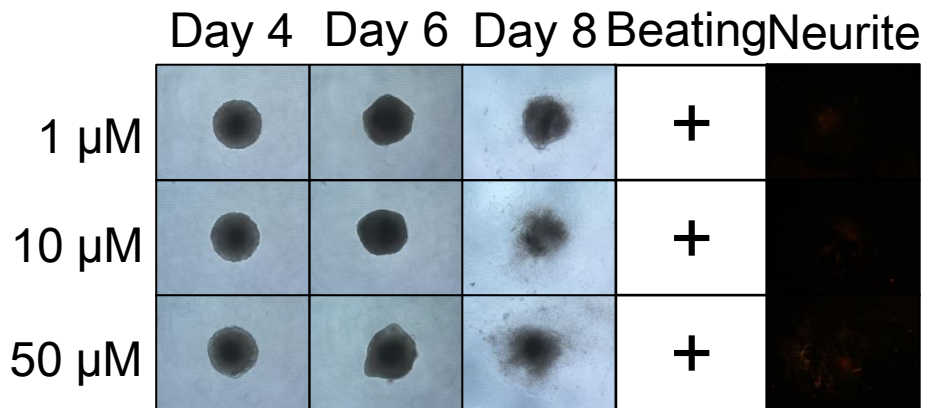
METHYLTESTOSTERONE



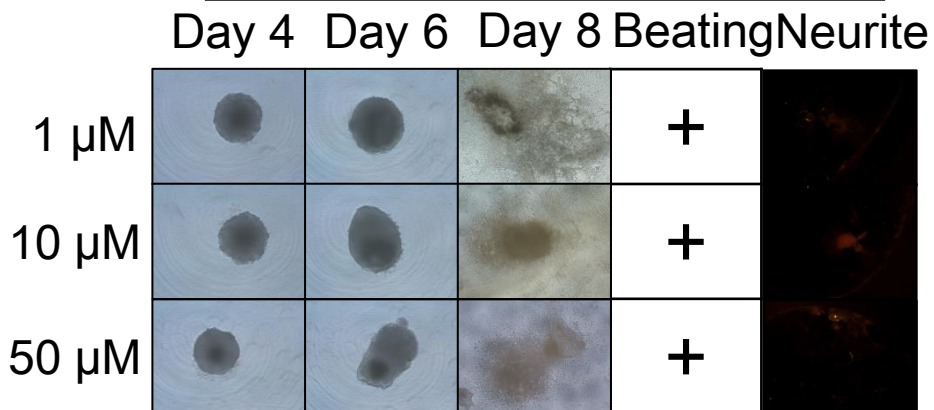
STANOZOLOL



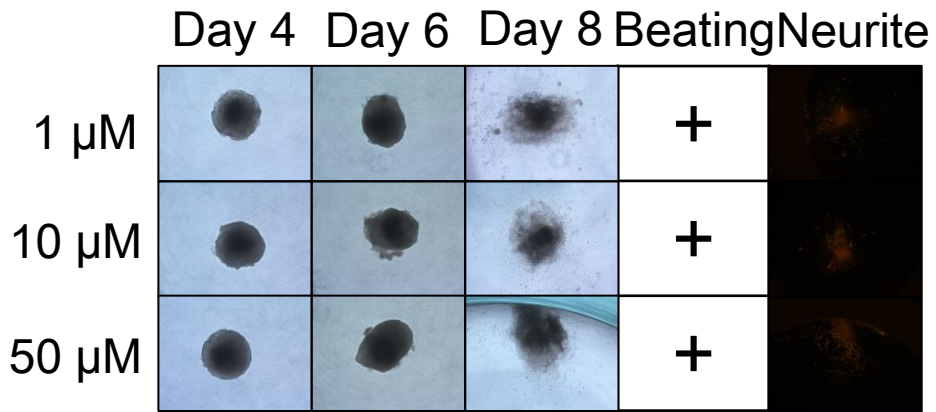
LEUPRORELIN



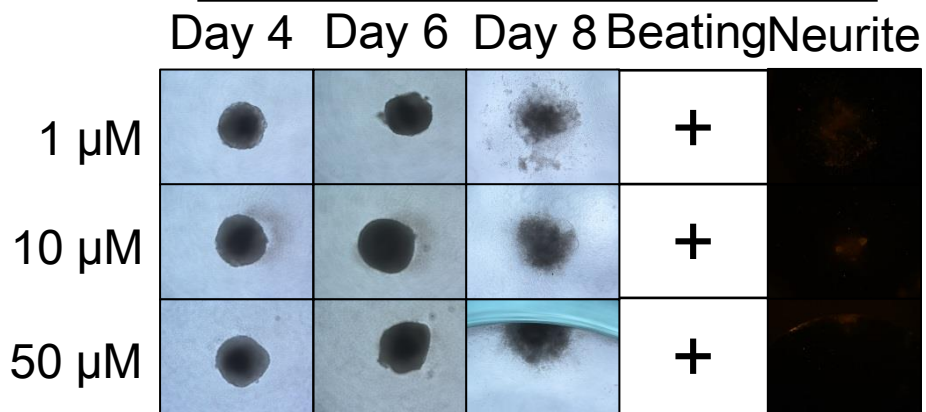
RIBAVIRIN



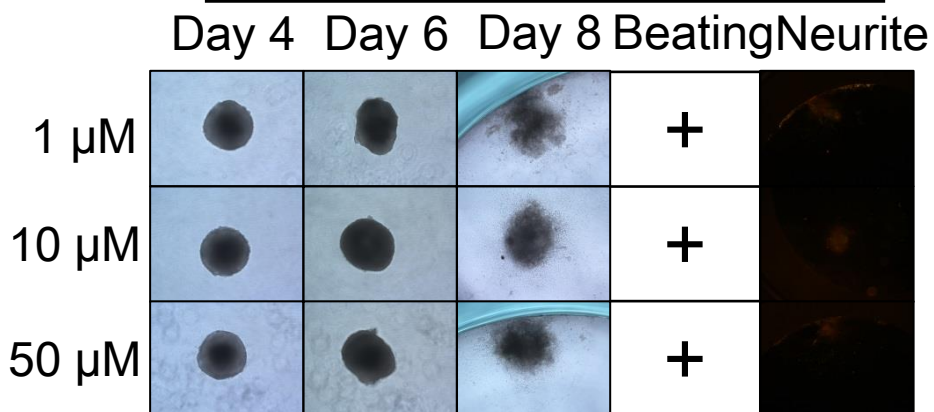
MIGLUSTAT



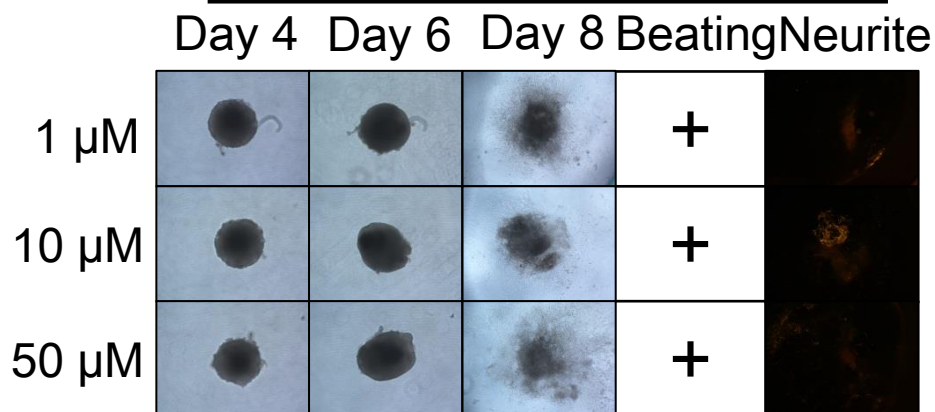
OXYTOCIN



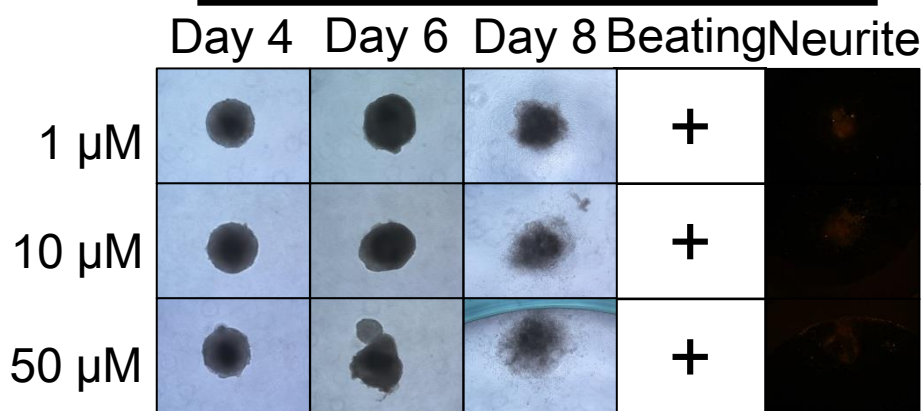
GOSERELIN



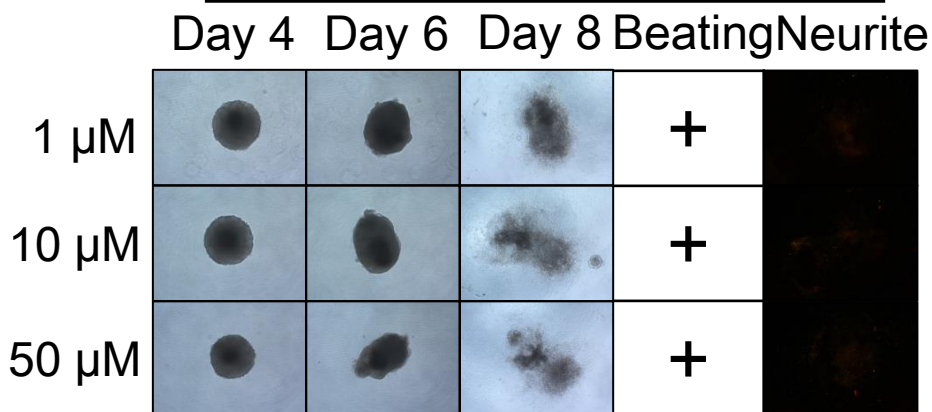
HISTRELIN



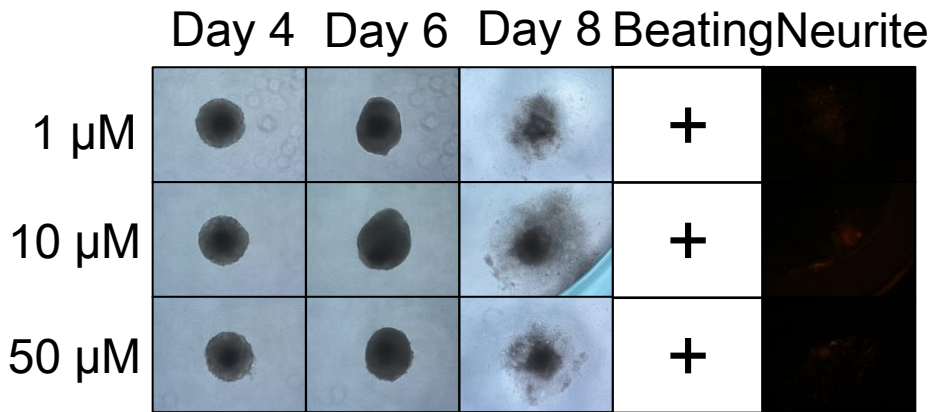
TRIPTORELIN



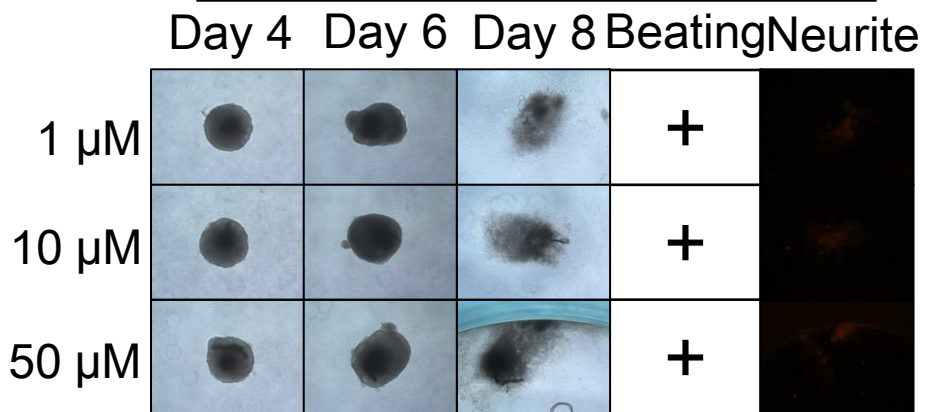
NANDROLONE



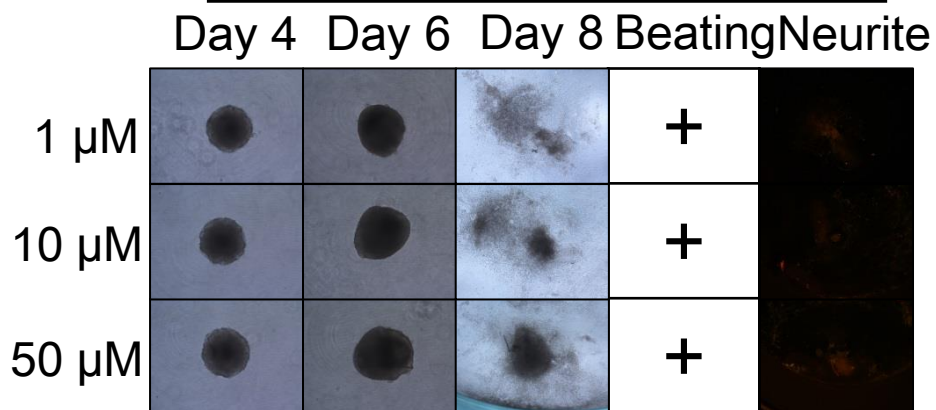
MISOPROSTOL



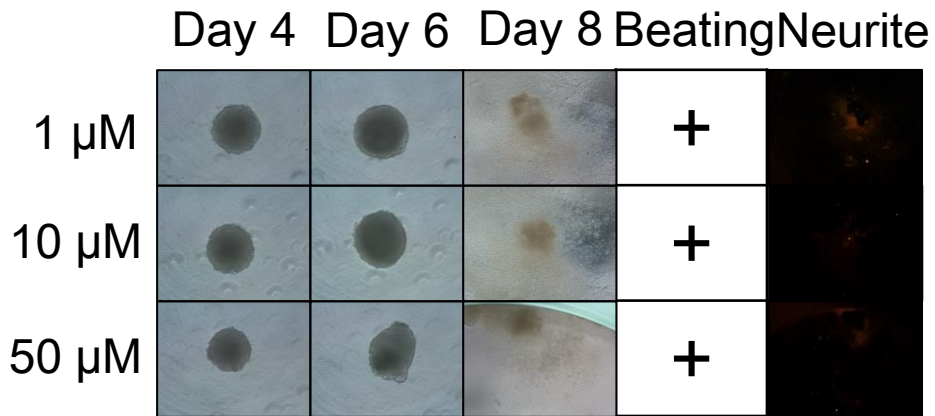
GANIRELIX



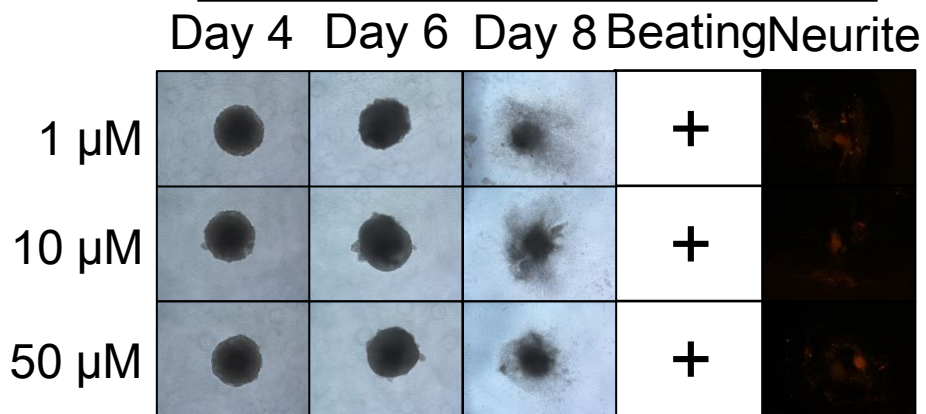
OXANDROLONE



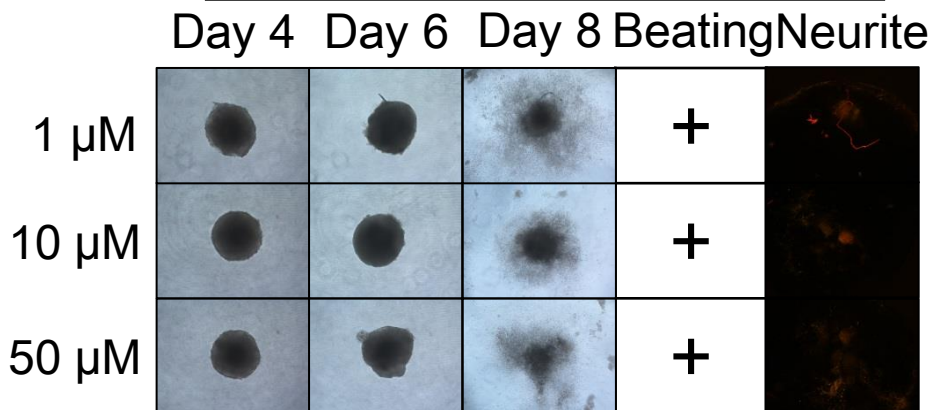
CARMUSTINE



MEPROBAMATE



TERPIN HYDRATE



CARBARSONE

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				+	
10 μ M				+	
50 μ M				+	

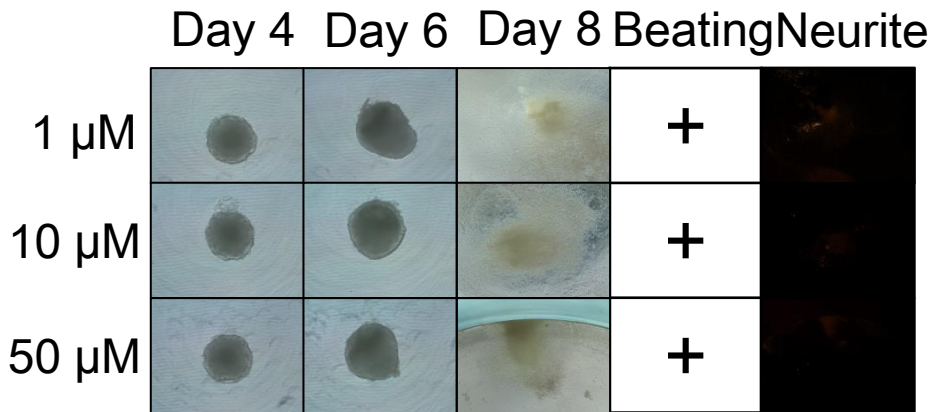
IODINE

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				+	
10 μ M				+	
50 μ M				+	

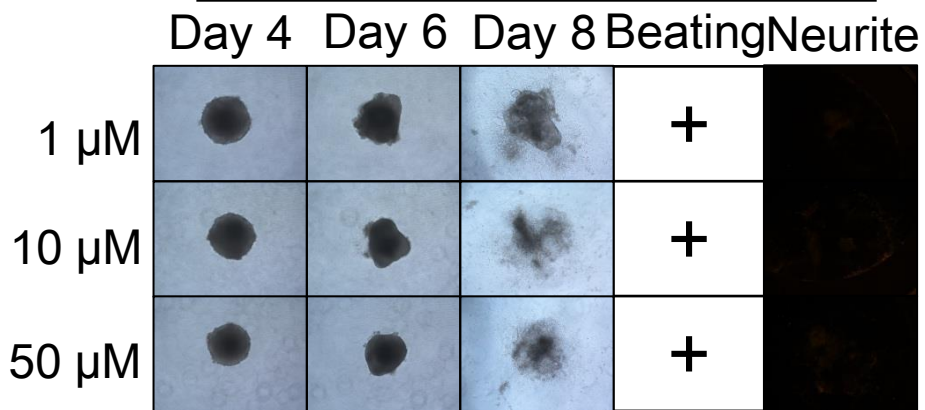
POVIDONE IODINE

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				+	
10 μ M				+	
50 μ M				+	

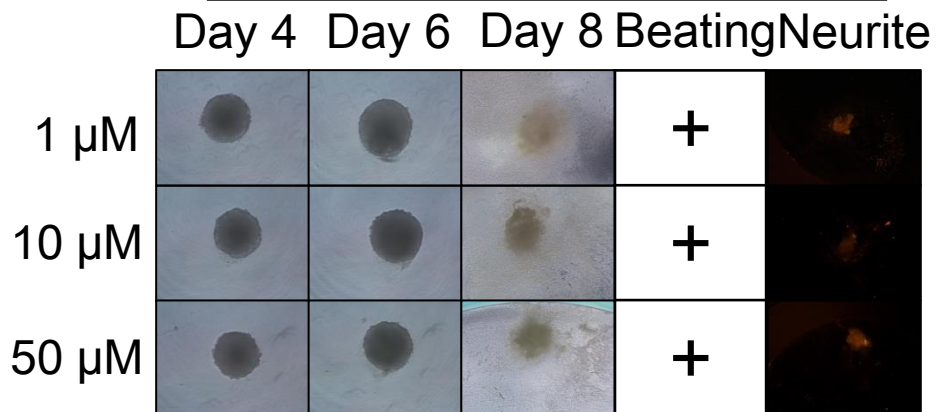
METHIMAZOLE



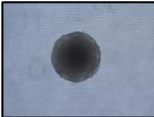
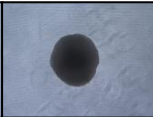
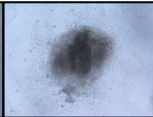

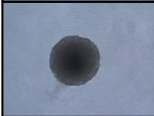
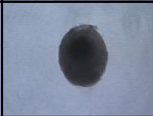
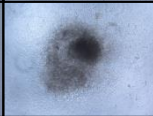
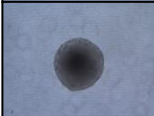
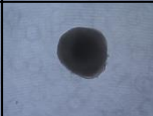
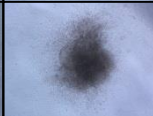
NELARABINE



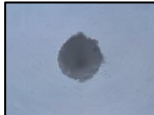
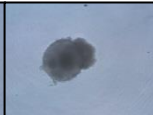
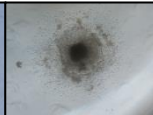
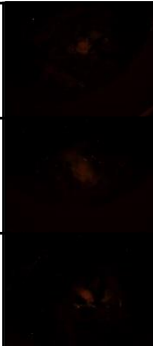
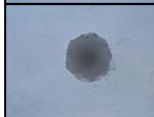
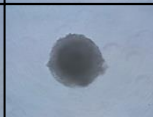
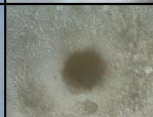
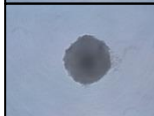
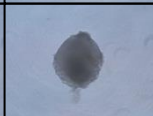

FLUDARABINE



POTASSIUM IODIDE

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				+	
10 μ M				+	
50 μ M				+	

AMIODARONE

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				+	
10 μ M				+	
50 μ M				+	

Class II

THALIDOMIDE

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				+	
10 μ M				+	
50 μ M				+	

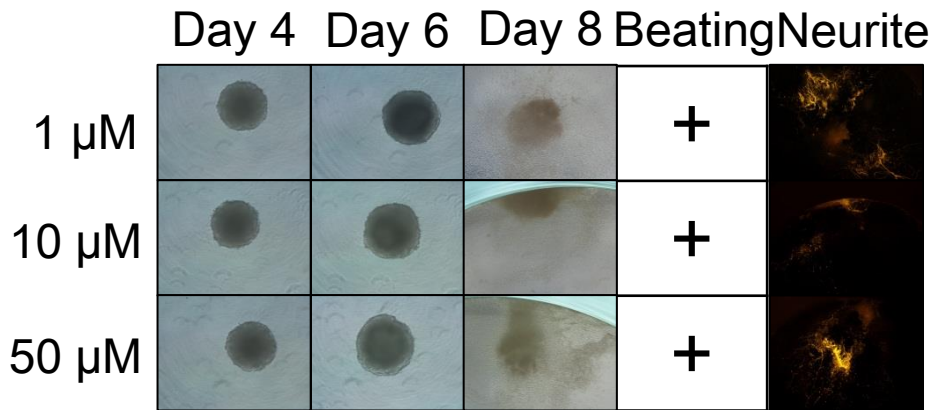
ESTROPIPATE

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				+	
10 μ M				+	
50 μ M				+	

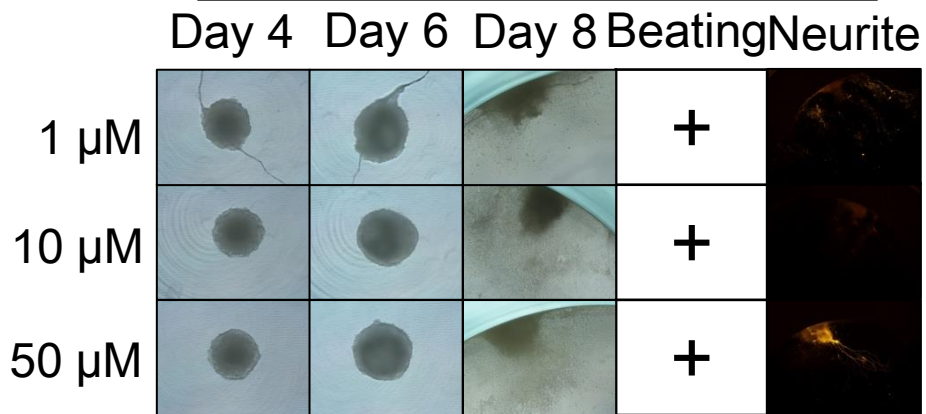
NETILMICIN

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				+	
10 μ M				+	
50 μ M				-	

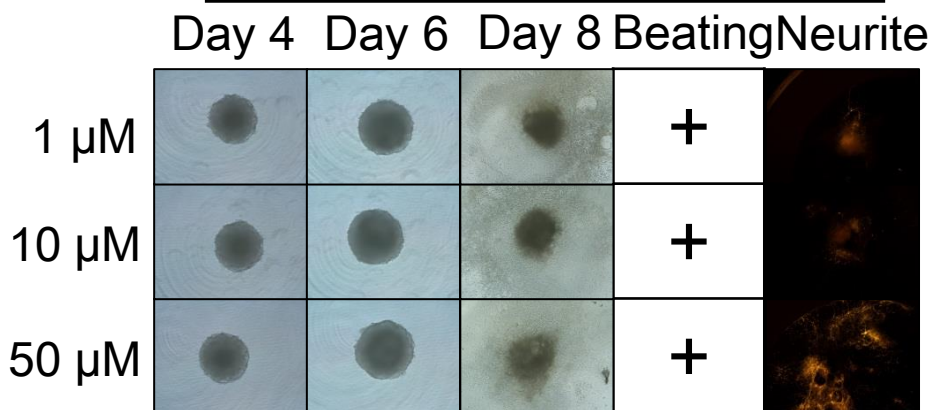
VALPROATE



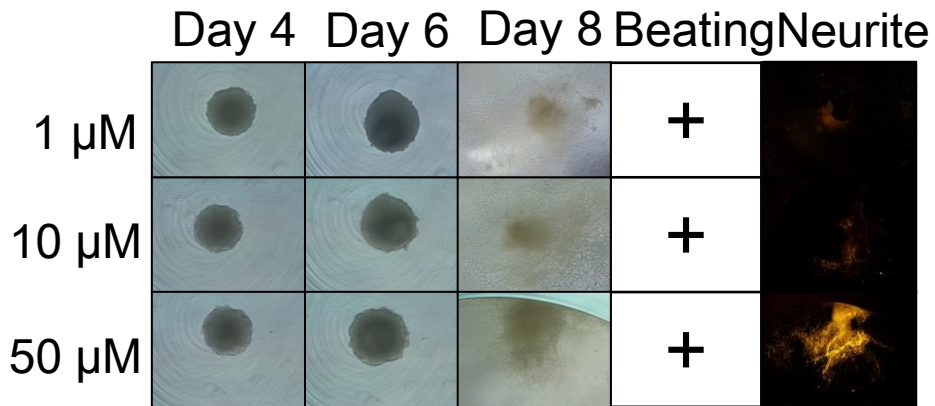
OXYMETHOLONE



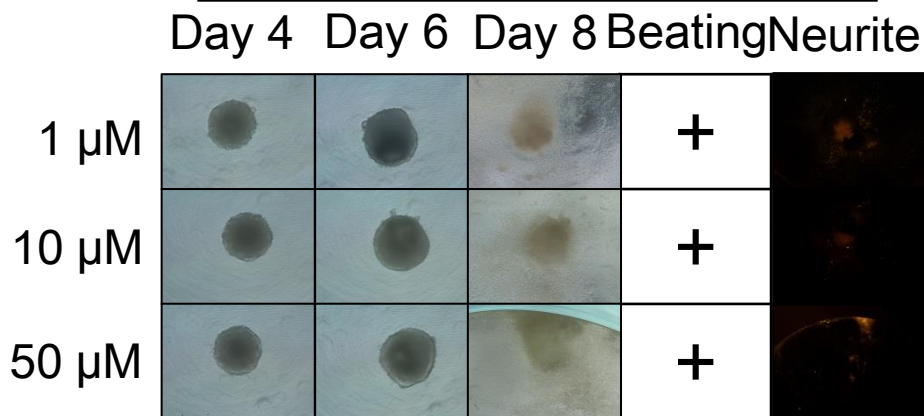
LENALIDOMIDE



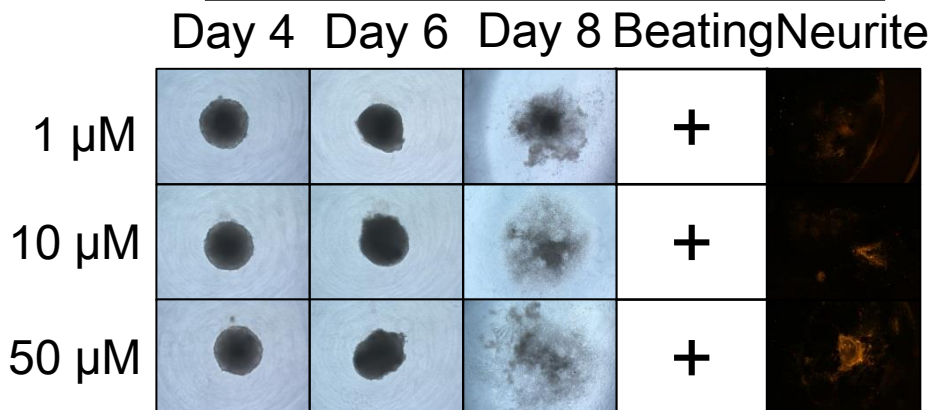
CHLOROTRIANISENE



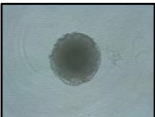
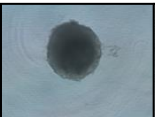
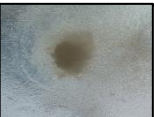
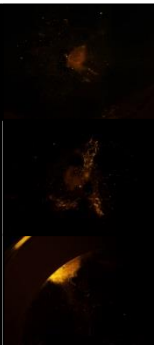
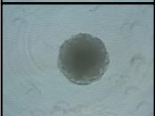
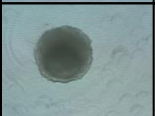
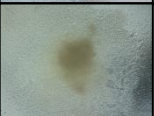
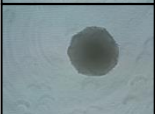
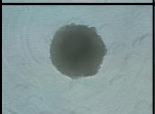

DANAZOL



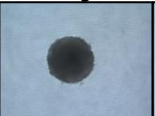
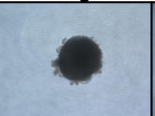
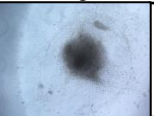
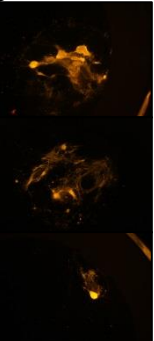
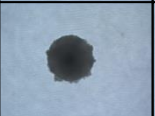
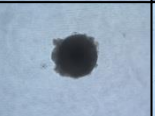
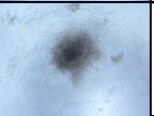
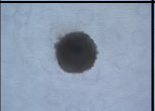
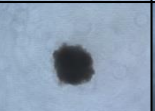

FLUOXYMESTERONE



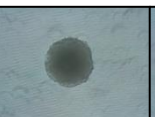
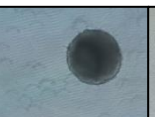


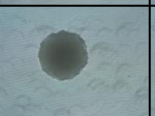
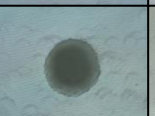

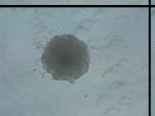
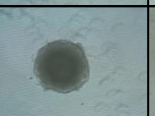

FINASTERIDE

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				+	
10 μ M				+	
50 μ M				+	

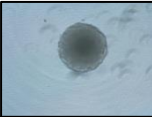
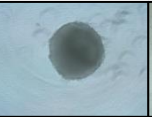
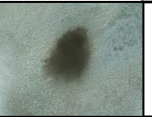

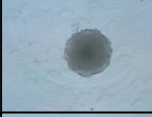
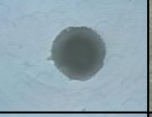

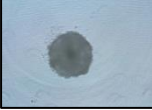
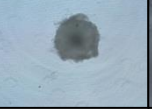

TAZAROTENE

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				-	
10 μ M				-	
50 μ M				-	

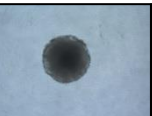
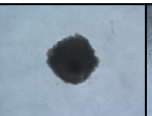
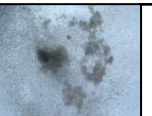

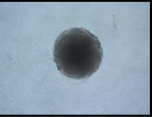
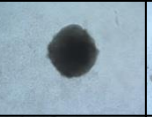
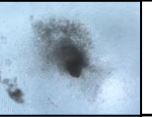
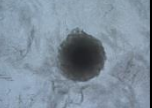
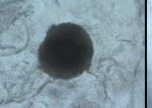

TESTOSTERONE

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				+	
10 μ M				+	
50 μ M				+	

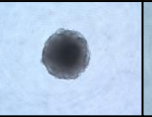
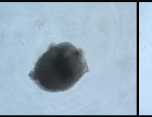
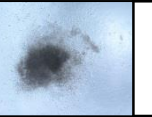
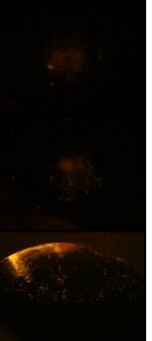
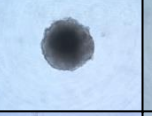
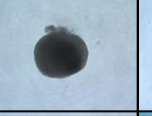
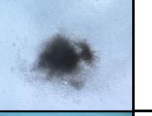
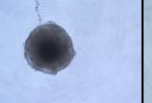
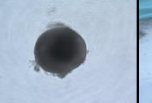

COUMARIN

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				+	
10 μ M				+	
50 μ M				-	

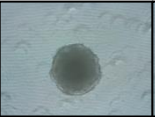
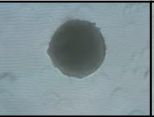
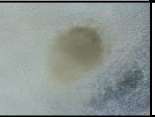

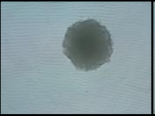
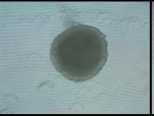
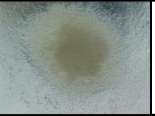
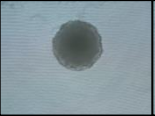
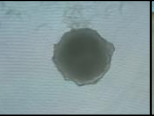

CETRORELIX

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				+	
10 μ M				+	
50 μ M				+	

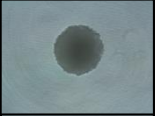
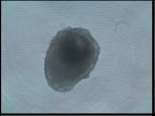

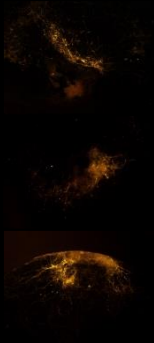
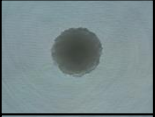
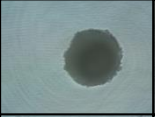
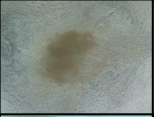
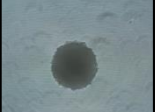
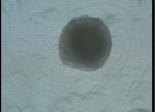

CHENODEOXYCHOLIC ACID

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				+	
10 μ M				+	
50 μ M				+	

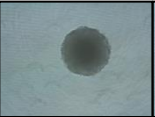
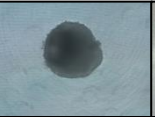


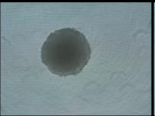
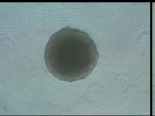

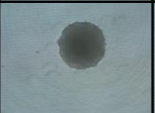
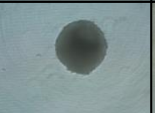

MESTRANOL

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				+	
10 μ M				+	
50 μ M				-	

DIHYDROERGOTAMINE

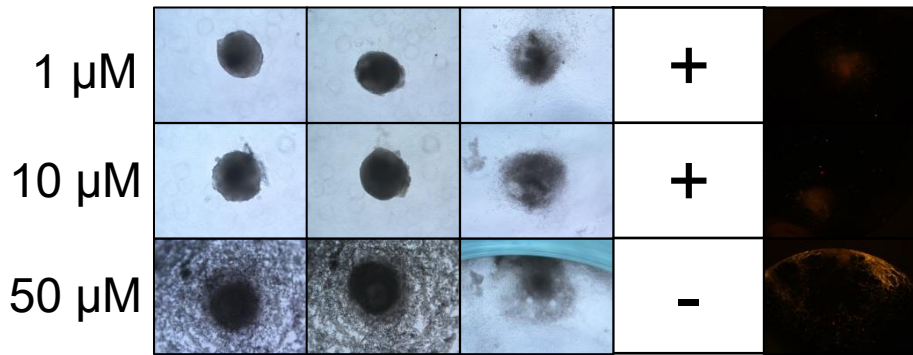
	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				+	
10 μ M				+	
50 μ M				-	

ETHINYL ESTRADIOL

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				+	
10 μ M				+	
50 μ M				-	

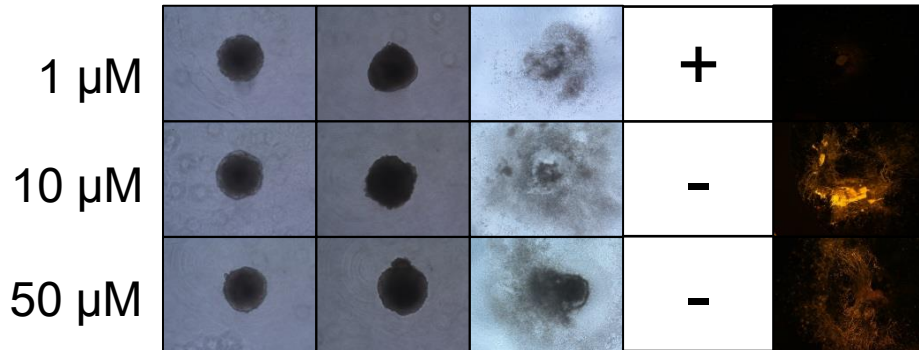
MEDROXY PROGESTERONE

Day 4 Day 6 Day 8 Beating Neurite



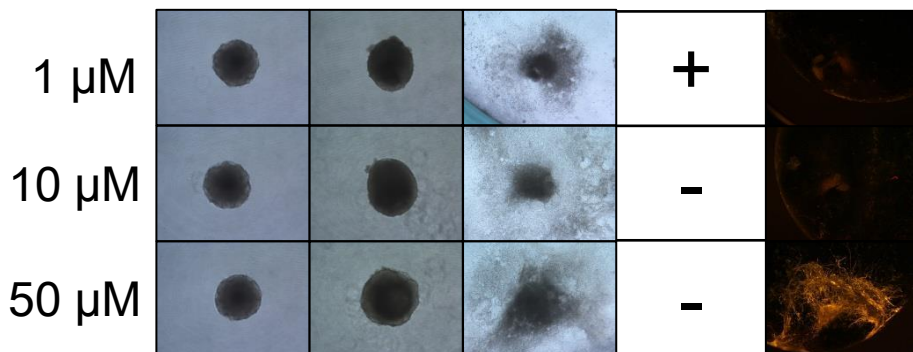
TRIAZOLAM

Day 4 Day 6 Day 8 Beating Neurite

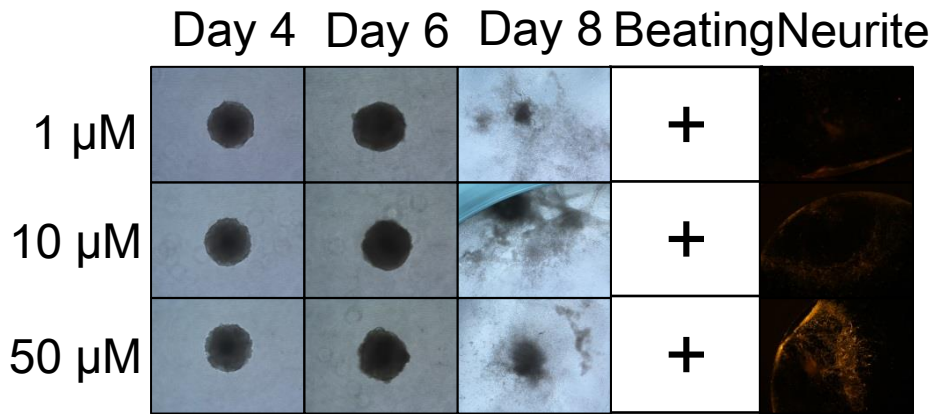


ESTAZOLAM

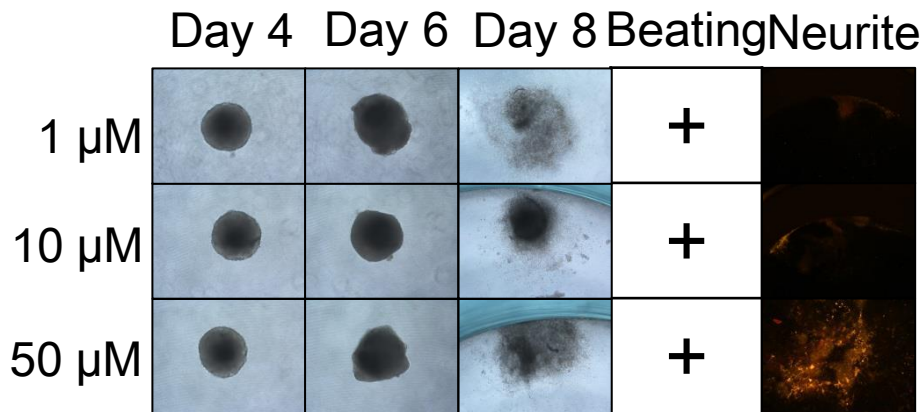
Day 4 Day 6 Day 8 Beating Neurite



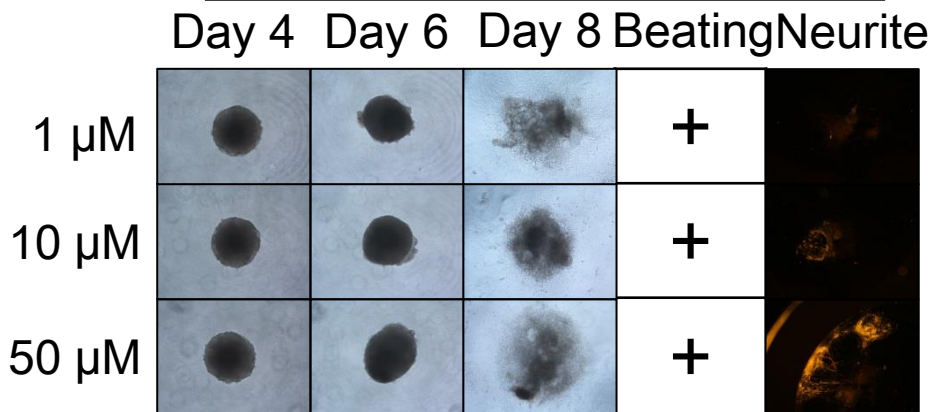
CLONAZEPAM



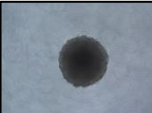
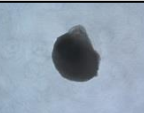
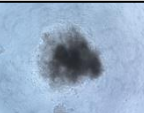

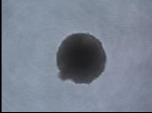
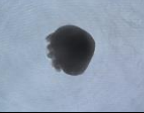

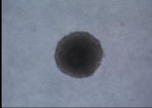
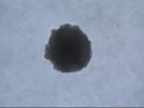

LETROZOLE



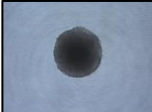
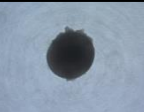


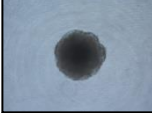
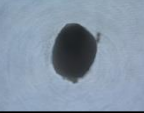


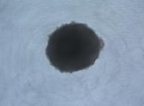

OXAZEPAM



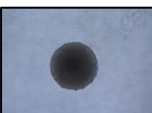
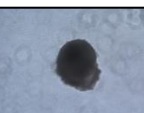

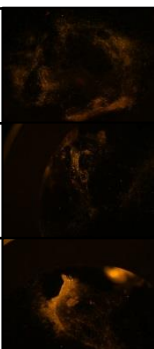
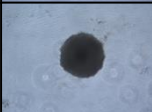
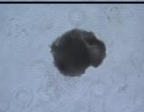
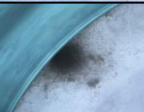


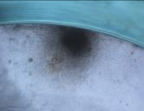
VORICONAZOLE

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				+	
10 μ M				+	
50 μ M				+	

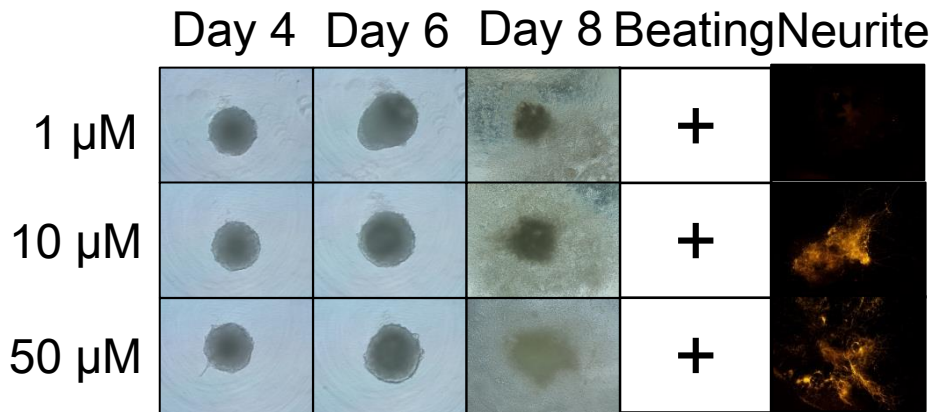
THIAMAZOLE

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				+	
10 μ M				+	
50 μ M				+	

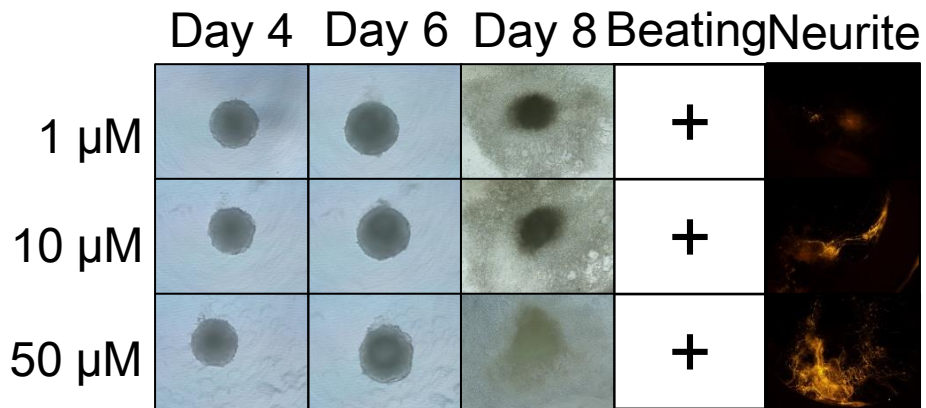
NILOTINIB

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				+	
10 μ M				+	
50 μ M				-	

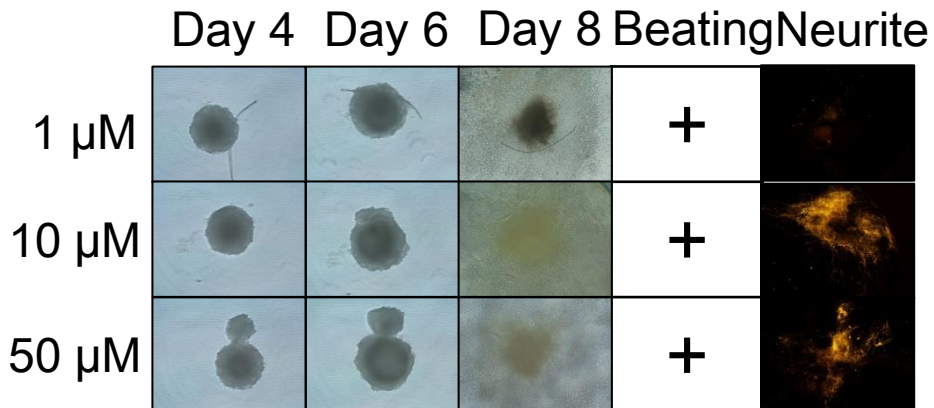
PENICILLAMINE



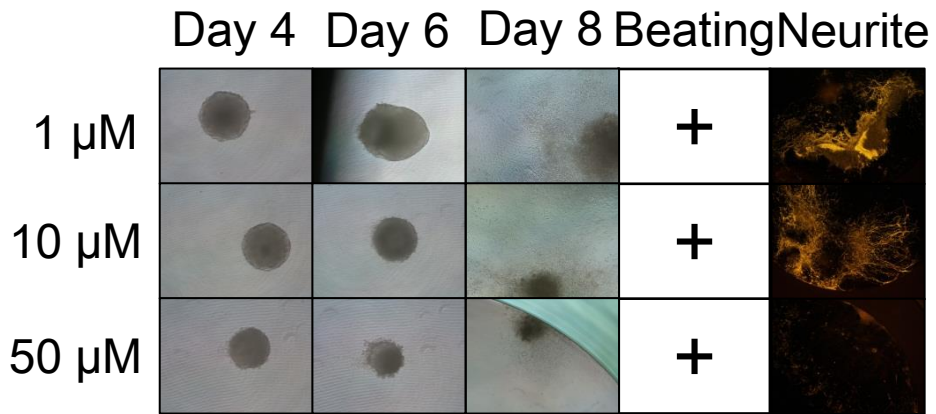
ATENOLOL



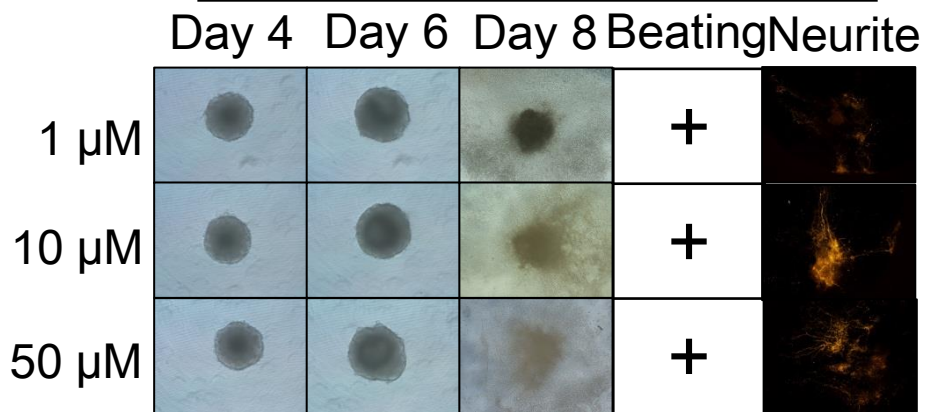
CARBAMAZEPINE



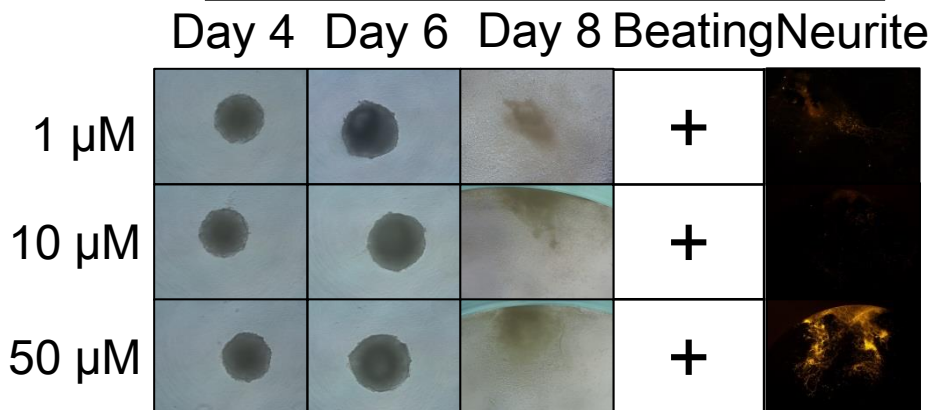
DEMECLOCYCLINE



KANAMYCIN



PROPYLTHIOURACIL



TETRACYCLINE

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				+	
10 μ M				+	
50 μ M				+	

FLUTAMIDE

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				+	
10 μ M				+	
50 μ M				+	

ALTRETAMINE

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				+	
10 μ M				-	
50 μ M				-	

PAROXETINE

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				+	
10 μ M				+	
50 μ M				-	-

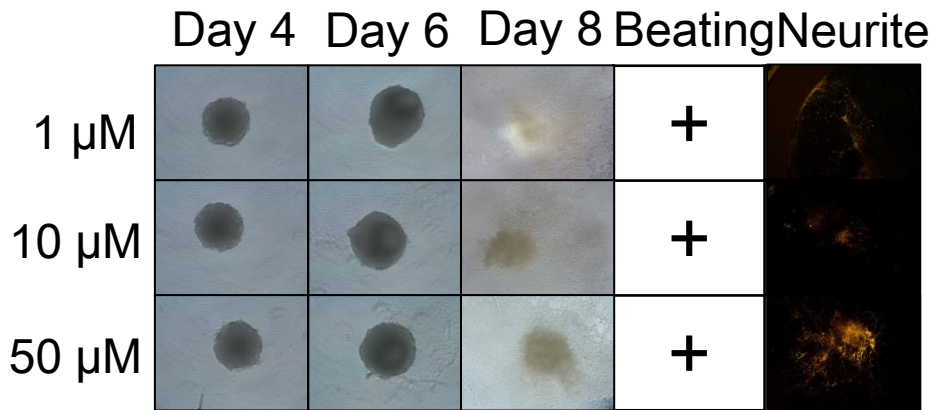
LITHIUM

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				+	
10 μ M				+	
50 μ M				+	

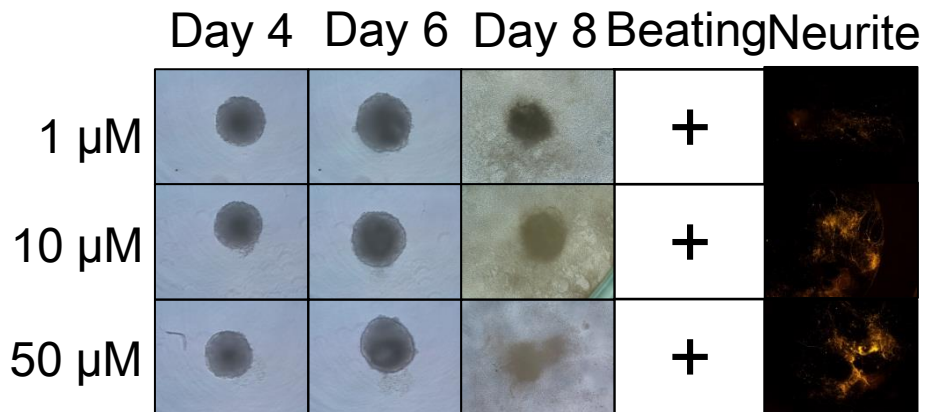
EXEMESTANE

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				+	
10 μ M				+	
50 μ M				+	

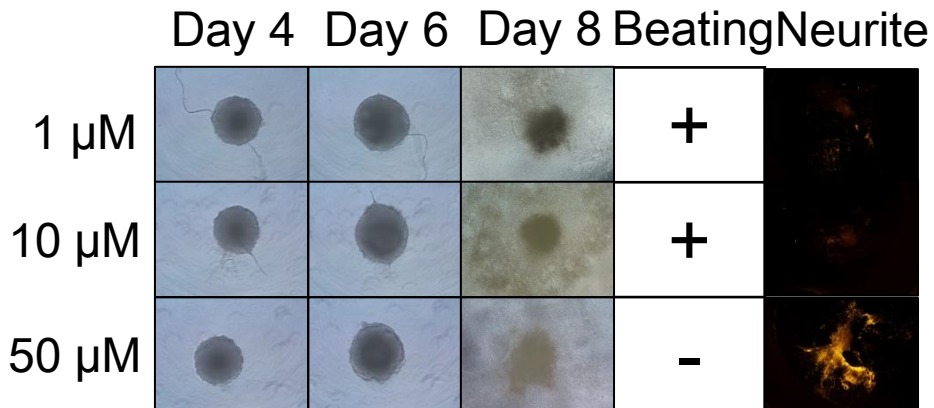
PERINDOPRIL



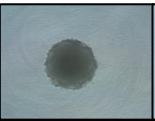
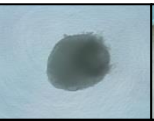
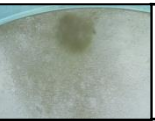

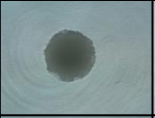
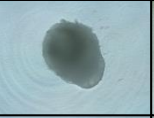


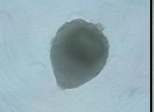

CARBIMAZOLE



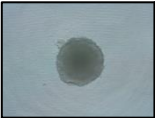
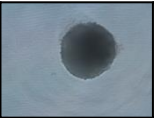
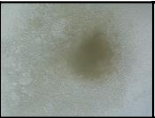
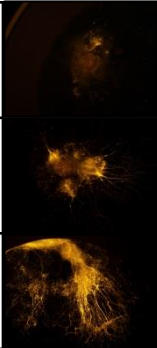
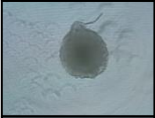
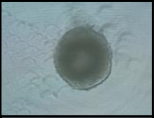

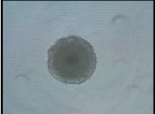
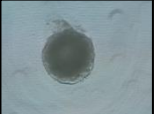

ETHISTERONE



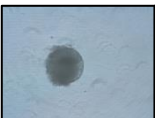
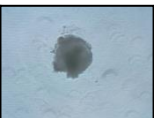

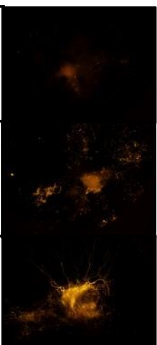
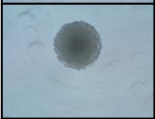
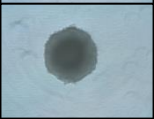
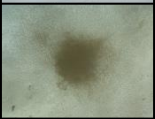

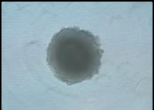

TEMOZOLOMIDE

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				+	
10 μ M				+	
50 μ M				+	

OXYTETRACYCLINE

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				+	
10 μ M				-	
50 μ M				-	

CYCLOPHOSPHAMIDE

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				+	
10 μ M				+	
50 μ M				-	

PHENTERMINE

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				+	
10 μ M				-	
50 μ M				-	

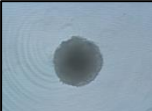
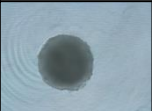
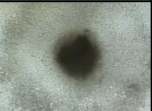

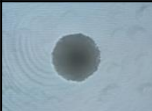
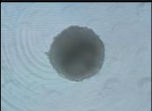

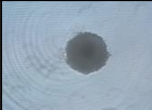
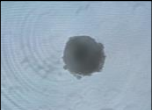

CISPLATIN

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				+	
10 μ M				+	
50 μ M				+	

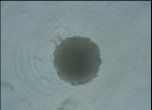
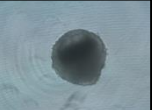


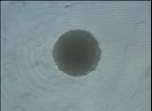
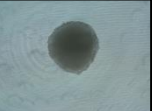

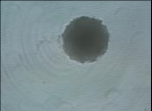
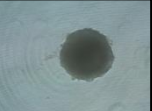

ETRETINATE

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				-	
10 μ M				-	
50 μ M				-	

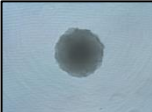
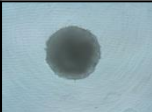


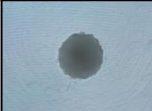
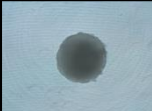

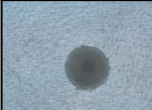


DIENESTROL

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				+	
10 μ M				-	
50 μ M				-	

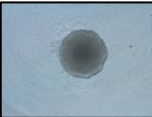
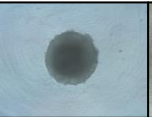
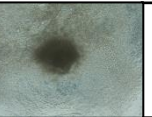
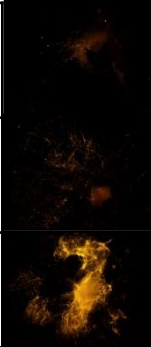
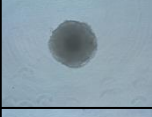
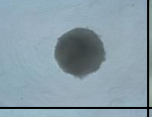




ESTRADIOL

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				+	
10 μ M				-	
50 μ M				-	

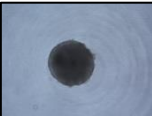
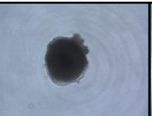
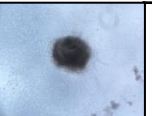
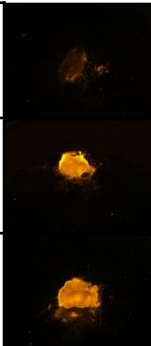
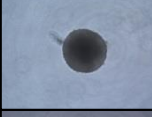
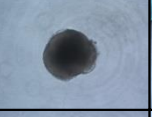
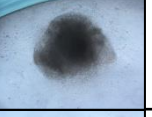
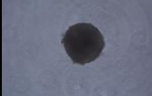
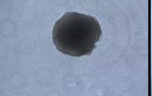

ESTRONE

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				+	
10 μ M				-	
50 μ M				-	

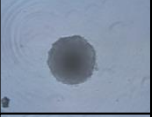
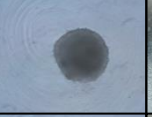

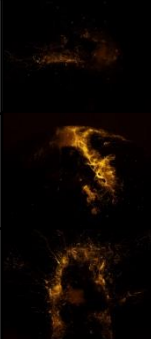
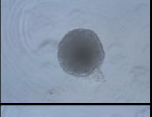
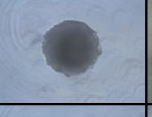




WARFARIN

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				+	
10 μ M				+	
50 μ M				-	

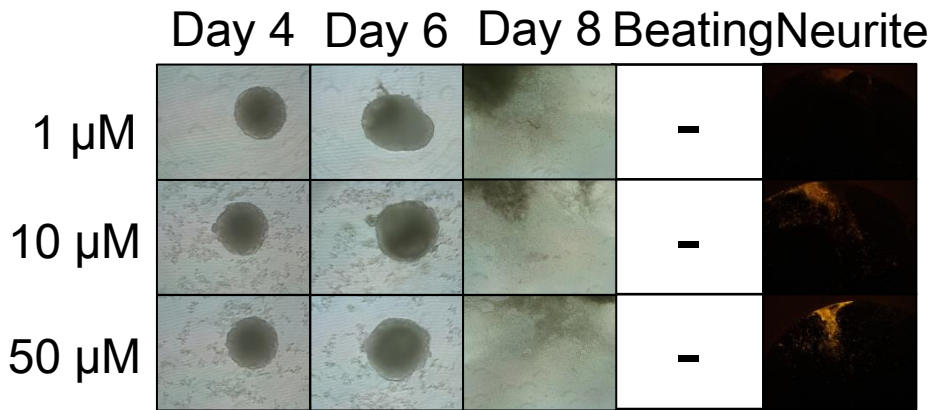
ISOTRETINOIN

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				-	
10 μ M				-	
50 μ M				-	

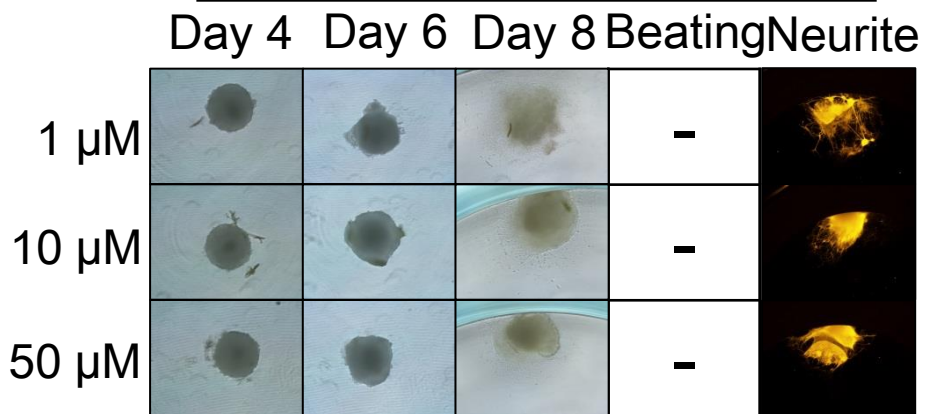
METHYSERGIDE

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				-	
10 μ M				-	
50 μ M				-	

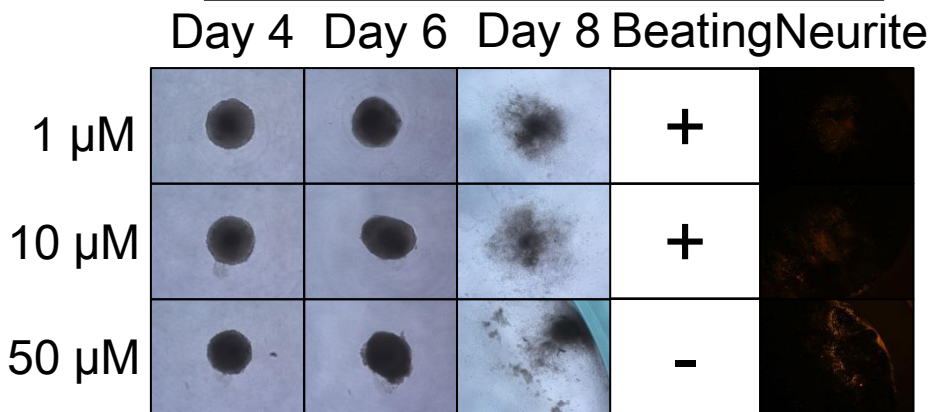
LEVONORGESTREL



ACITRETIN



FLURAZEPAM



TEMAZEPAM

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				+	
10 μ M				+	
50 μ M				-	

MIDAZOLAM

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				+	
10 μ M				-	
50 μ M				-	

PHENOBARBITONE

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				+	
10 μ M				+	
50 μ M				-	

ALPRAZOLAM

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				+	
10 μ M				-	
50 μ M				-	

DIAZEPAM

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				+	
10 μ M				+	
50 μ M				-	

TIGECYCLINE

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				+	
10 μ M				+	
50 μ M				-	

MINOCYCLINE

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				+	
10 μ M				-	
50 μ M				-	

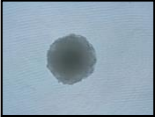
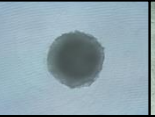
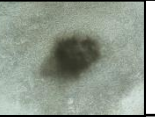
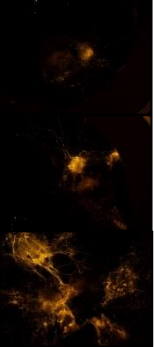
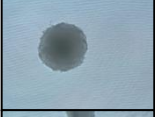
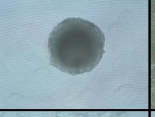




PHENINDIONE

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				+	
10 μ M				+	
50 μ M				-	

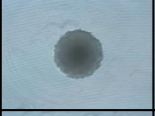
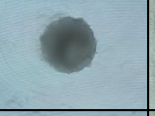

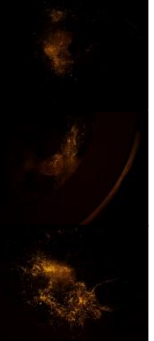
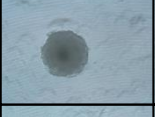
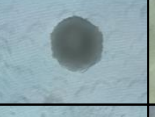
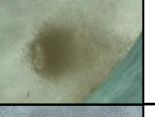

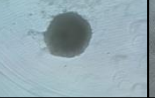

PHENYTOIN

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				+	
10 μ M				+	
50 μ M				-	

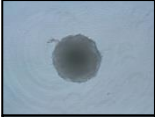
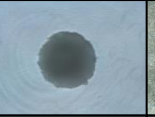

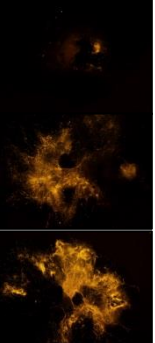
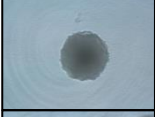
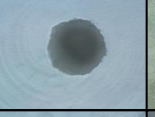
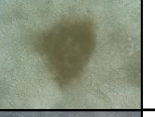



AMIKACIN

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				+	
10 μ M				+	
50 μ M				-	

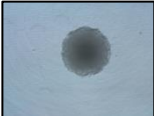
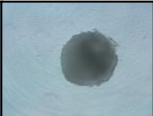
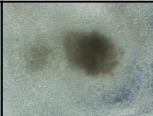
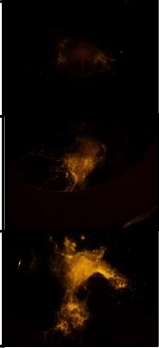
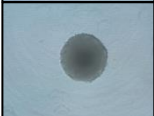
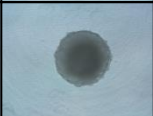

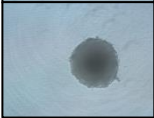
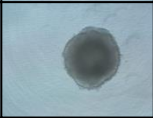
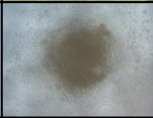
DOXYCYCLINE

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				+	
10 μ M				+	
50 μ M				-	

STREPTOMYCIN

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				-	
10 μ M				-	
50 μ M				-	

TOBRAMYCIN

	Day 4	Day 6	Day 8	Beating	Neurite
1 μM				+	
10 μM				-	
50 μM				-	

Class III

NAFARELIN

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				+	
10 μ M				-	
50 μ M				-	

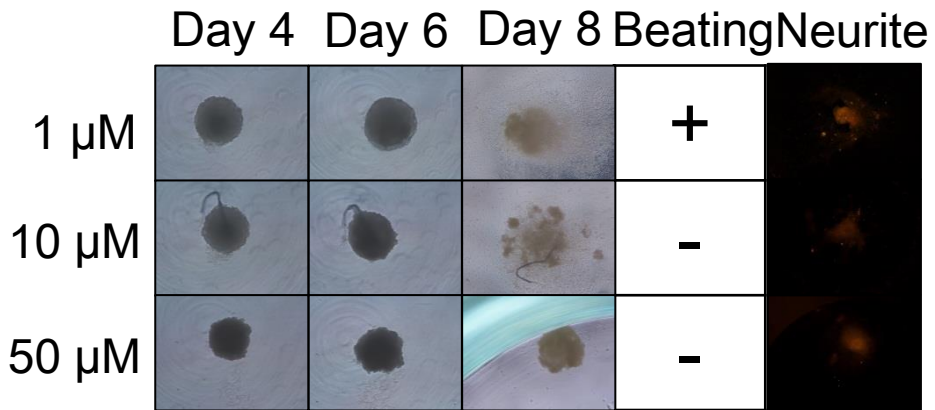
MIFEPRISTONE

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				+	
10 μ M				+	
50 μ M				-	

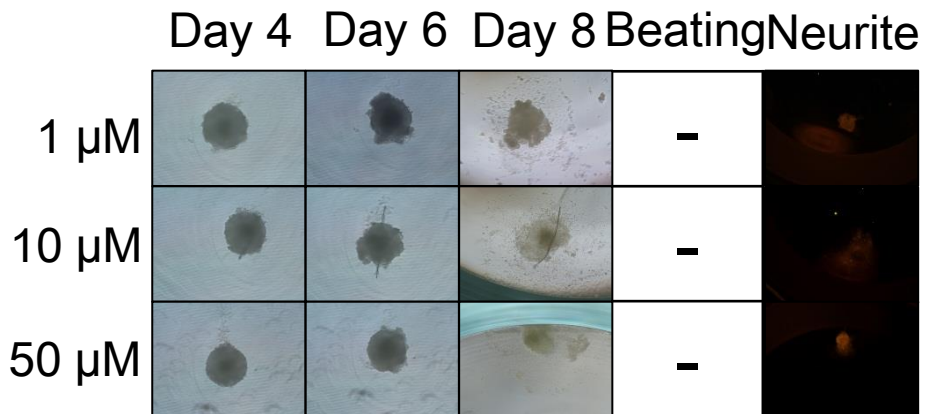
NORETHISTERONE

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				+	
10 μ M				+	
50 μ M				-	

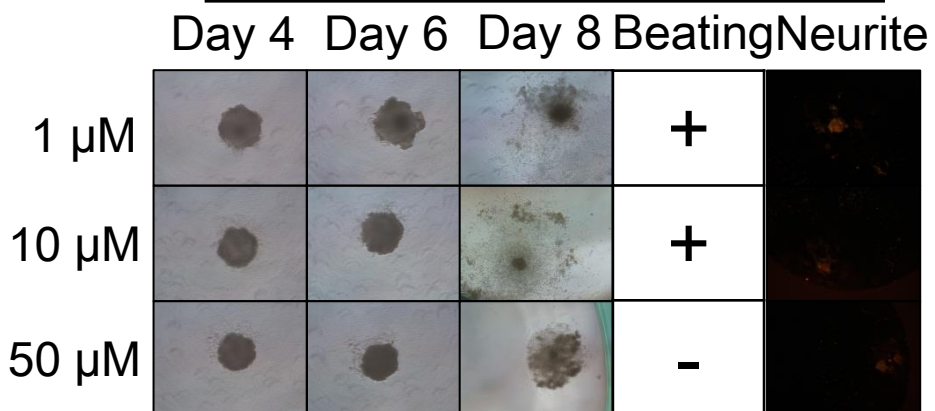
RALOXIFENE



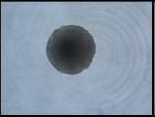
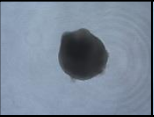
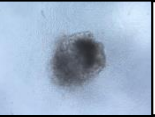

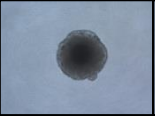
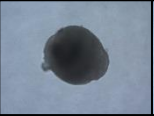
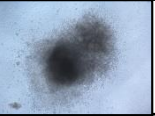
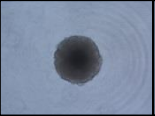
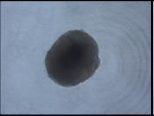
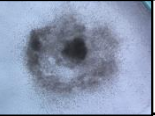
METHOTREXATE



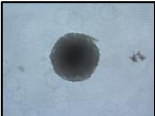
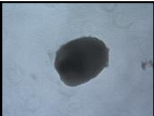
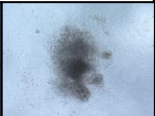

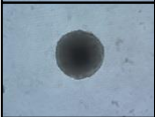
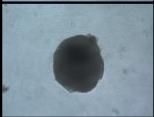
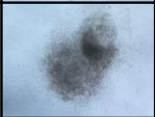
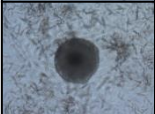
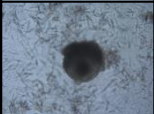
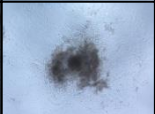
MYCOPHENOLIC ACID



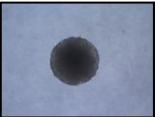
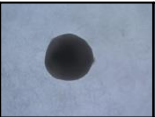


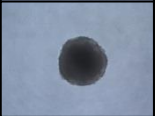
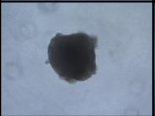
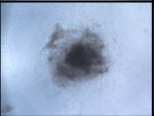
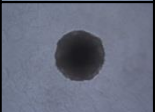
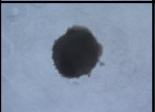
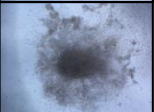
LEFLUNOMIDE

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				+	
10 μ M				-	
50 μ M				-	

DUTASTERIDE

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				+	
10 μ M				+	
50 μ M				-	

CLOMIFENE

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				+	
10 μ M				+	
50 μ M				-	

MEGESTROL

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				+	
10 μ M				+	
50 μ M				-	

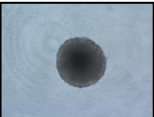
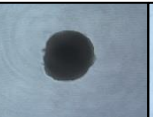
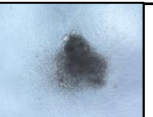

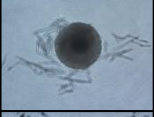
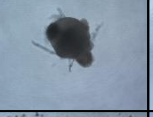

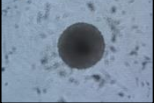
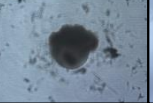

EFAVIRENZ

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				+	
10 μ M				+	
50 μ M				-	

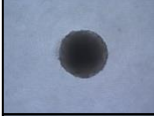
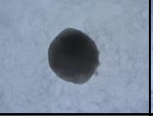

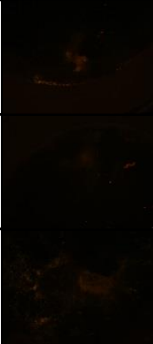
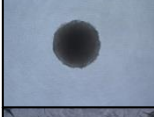
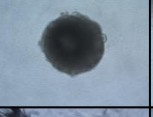
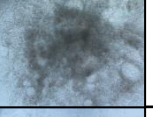
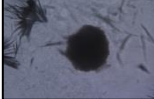
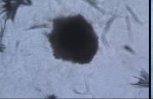

HYDROXYCARBAMIDE

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				+	
10 μ M				-	
50 μ M				-	

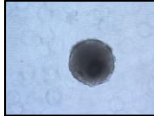
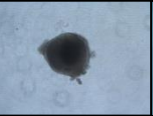
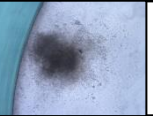
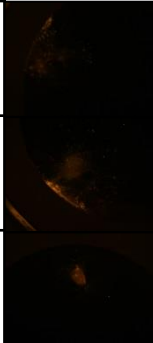
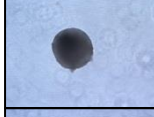


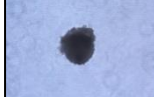
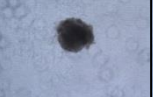

HYDROXY PROGESTERONE

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				+	
10 μ M				+	
50 μ M				-	

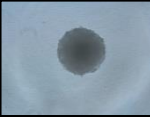
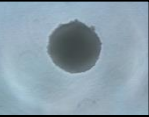
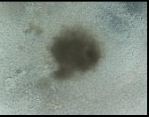

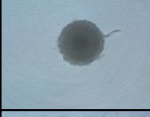
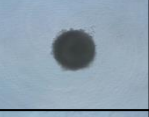

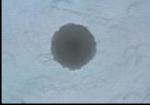
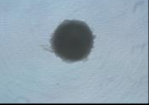

GEFITINIB

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				+	
10 μ M				-	
50 μ M				-	

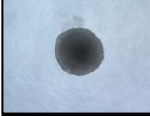
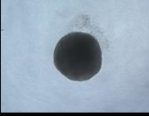

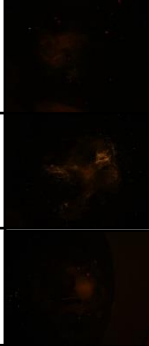
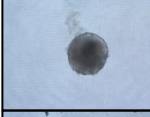
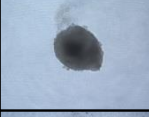
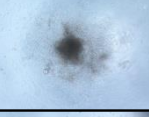
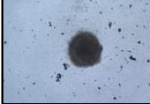
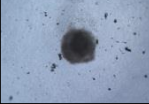
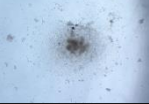
LOMUSTINE

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				+	
10 μ M				+	
50 μ M				-	

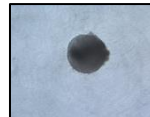
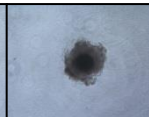
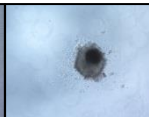

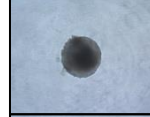
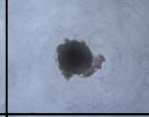
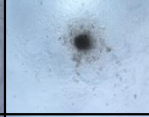
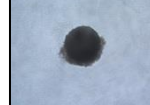
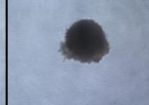

TAMOXIFEN

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				+	
10 μ M				-	
50 μ M				-	

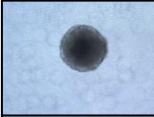
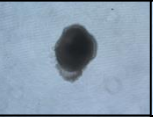


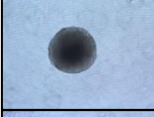
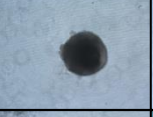
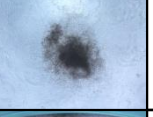





SORAFENIB

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				-	
10 μ M				-	
50 μ M				-	

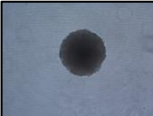
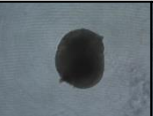
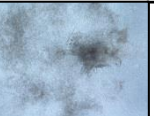

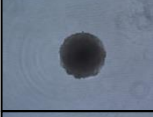
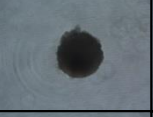


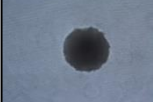
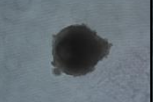
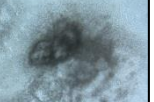

TRIMETREXATE

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				-	
10 μ M				-	
50 μ M				-	

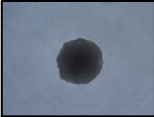
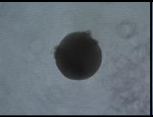


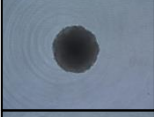
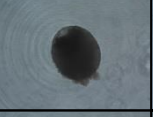
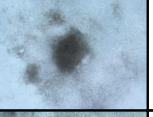


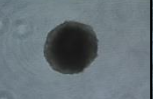


ERLOTINIB

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				+	
10 μ M				-	
50 μ M				-	

LORAZEPAM

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				+	
10 μ M				+	
50 μ M				-	

CLORAZEPATE

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				+	
10 μ M				+	
50 μ M				-	

CAPECITABINE

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				+	
10 μ M				-	
50 μ M				-	

LAPATINIB

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				+	
10 μ M				+	
50 μ M				-	

PEMETREXED

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				-	
10 μ M				-	
50 μ M				-	

AZATHIOPRINE

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				+	
10 μ M				-	
50 μ M				-	

MERCAPTOPURINE

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				-	
10 μ M				-	
50 μ M				-	

AZACITIDINE

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				-	
10 μ M				-	
50 μ M				-	

Class IV

EPIRUBICIN

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				-	*
10 μ M				-	*
50 μ M				-	*

FLUOROURACIL

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				-	*
10 μ M				-	*
50 μ M				-	*

ESTRAMUSTINE

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				+	
10 μ M				+	
50 μ M				-	*

PLICAMYCIN

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				-	*
10 μ M				-	*
50 μ M				-	*

GEMCITABINE

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				-	*
10 μ M				-	*
50 μ M				-	*

DIETHYLSTILBESTROL

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				+	
10 μ M				-	
50 μ M				-	

ZOLEDRONIC ACID

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				+	
10 μ M				-	
50 μ M				-	*

IMATINIB

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				+	
10 μ M				-	
50 μ M				-	*

TIOGUANINE

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				-	
10 μ M				-	*
50 μ M				-	*

VINOURELBINE

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				-	*
10 μ M				-	*
50 μ M				-	*

VORINOSTAT

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				-	
10 μ M				-	*
50 μ M				-	*

DOCETAXEL

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				-	*
10 μ M				-	*
50 μ M				-	*

IRINOTECAN

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				+	
10 μ M				-	
50 μ M				-	*

CLADRIBINE

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				-	
10 μ M				-	*
50 μ M				-	*

IDARUBICIN

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				-	*
10 μ M				-	*
50 μ M				-	*

IXABEPILONE

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				-	*
10 μ M				-	*
50 μ M				-	*

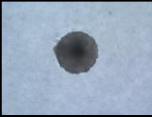
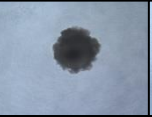


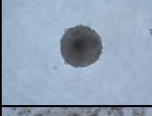
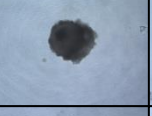
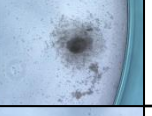

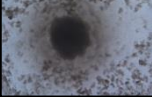
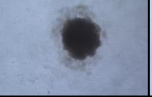

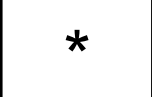
SUNITINIB

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				+	
10 μ M				-	*
50 μ M				-	*

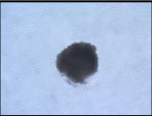
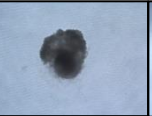


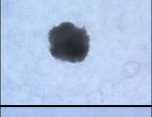
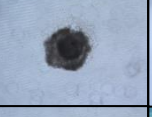


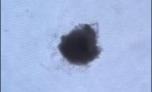



LYNESTRENOL

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				+	
10 μ M				+	
50 μ M				-	*

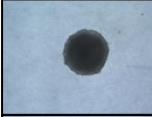
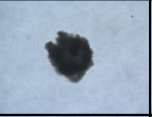
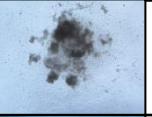

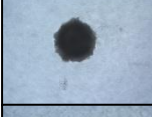
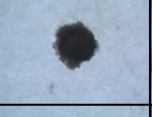
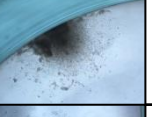

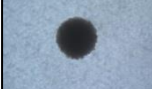
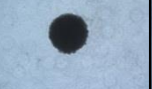


TEMSIROLIMUS

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				-	
10 μ M				-	
50 μ M				-	* 

DECITABINE

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				-	
10 μ M				-	
50 μ M				-	* 

TOREMIFENE

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				-	
10 μ M				-	
50 μ M				-	* 

DASATINIB

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				-	
10 μ M				-	
50 μ M				-	

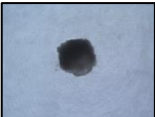
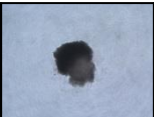
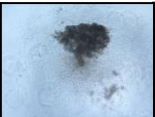

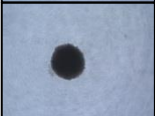
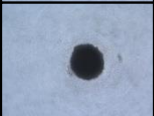
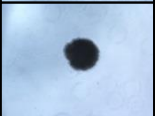
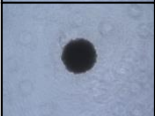
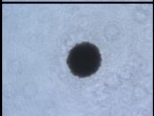
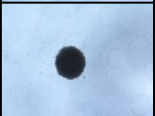
EVEROLIMUS

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				-	
10 μ M				-	
50 μ M				-	

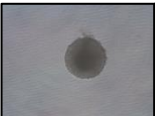
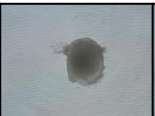
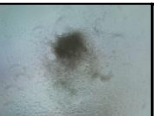

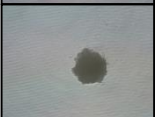
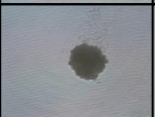


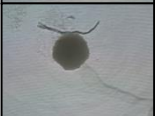
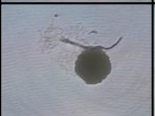
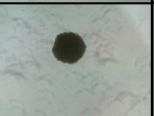
BORTEZOMIB

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				-	*
10 μ M				-	*
50 μ M				-	*

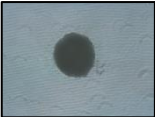
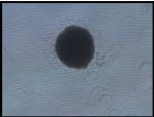
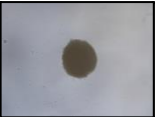
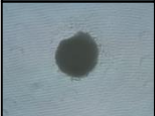
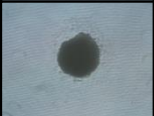

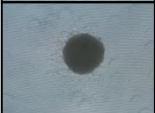
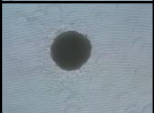
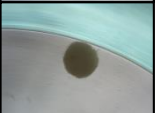
OXALIPLATIN

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				+	
10 μ M				-	*
50 μ M				-	*

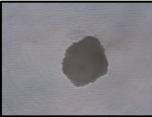
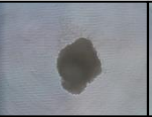
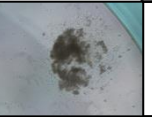
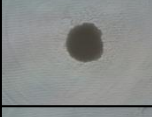
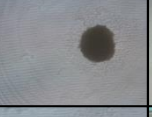


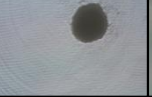

MELPHALAN

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				+	
10 μ M				-	
50 μ M				-	*

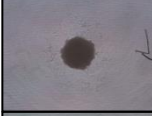
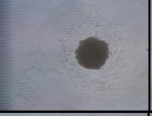
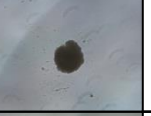
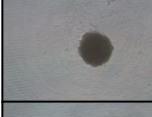
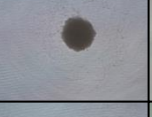




VINCRIStINE

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				-	*
10 μ M				-	*
50 μ M				-	*

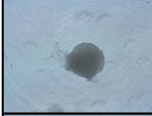
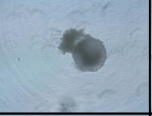


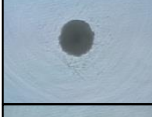
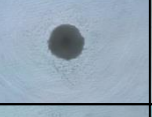

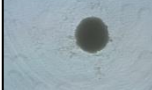
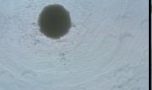

VINBLASTINE

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				-	*
10 μ M				-	*
50 μ M				-	*

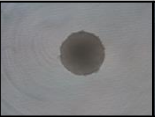
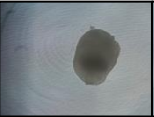


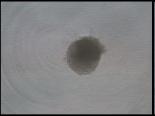
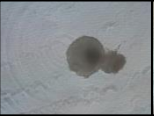

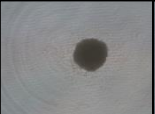
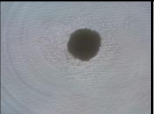

TENIPOSIDE

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				-	*
10 μ M				-	*
50 μ M				-	*

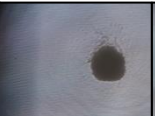
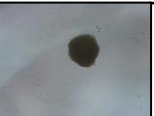
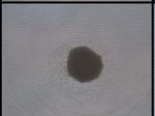
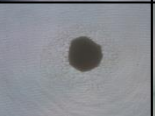

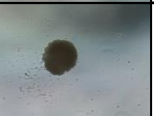
TOPOTECAN

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				-	
10 μ M				-	*
50 μ M				-	*

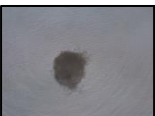
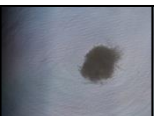

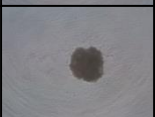
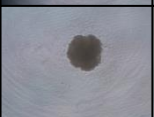

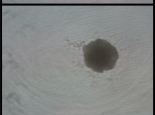
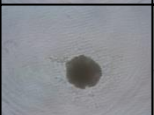

CHLORAMBUCIL

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				+	
10 μ M				+	
50 μ M				-	

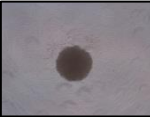
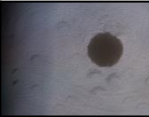
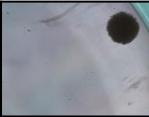

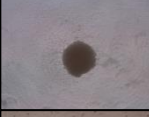




COLCHICINE

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				-	*
10 μ M				-	*
50 μ M				-	*

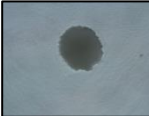
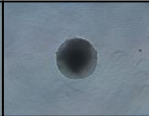
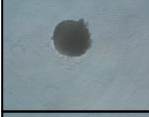
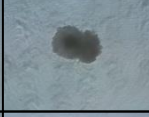
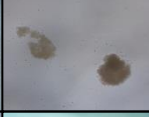


CYTARABINE

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				-	*
10 μ M				-	*
50 μ M				-	*

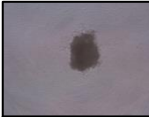
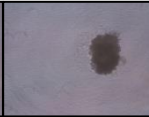


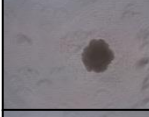
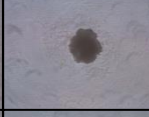
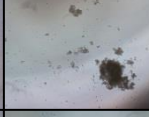



DAUNORUBICIN

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				-	*
10 μ M				-	*
50 μ M				-	*

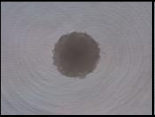
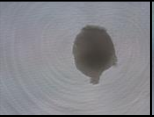



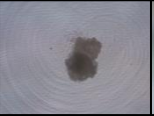

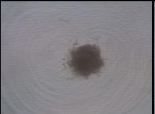
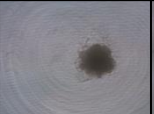

THIOGUANINE

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				-	*
10 μ M				-	*
50 μ M				-	*

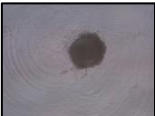

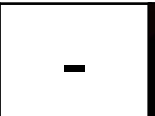
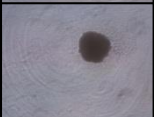
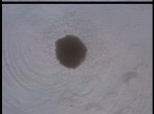
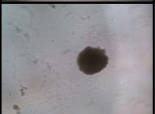
ETOPOSIDE

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				-	
10 μ M				-	*
50 μ M				-	*

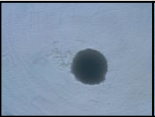
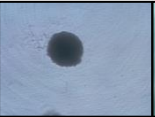
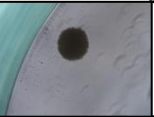
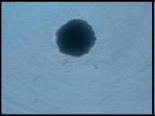
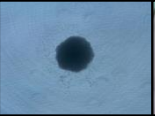

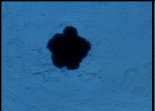
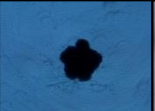

CARBOPLATIN

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				+	
10 μ M				-	*
50 μ M				-	*

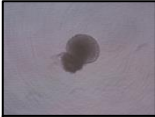
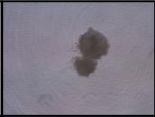

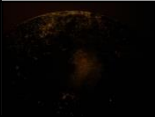
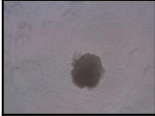
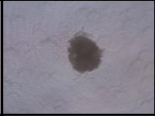




FLOXURIDINE

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				-	
10 μ M				-	*
50 μ M				-	*

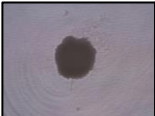
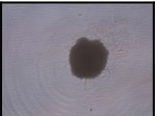
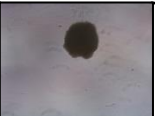
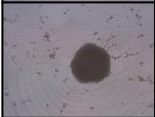
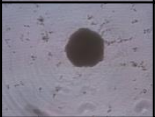
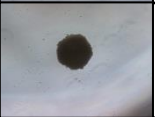


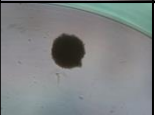
MITOXANTRONE

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				-	*
10 μ M				-	*
50 μ M				-	*

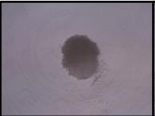
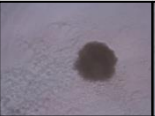
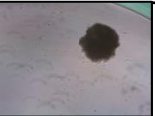
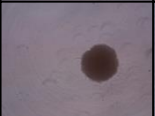
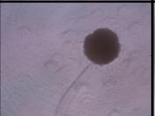
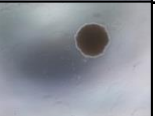
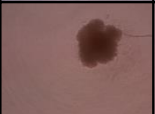
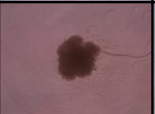

THIOTEPA

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				-	
10 μ M				-	*
50 μ M				-	*

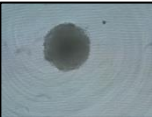
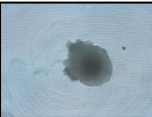
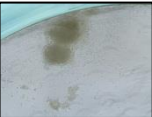

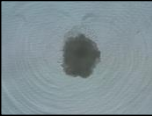
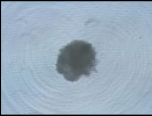

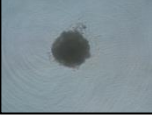
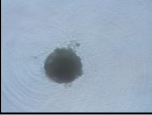

PACLITAXEL

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				-	*
10 μ M				-	*
50 μ M				-	*

DOXORUBICIN

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				-	*
10 μ M				-	*
50 μ M				-	*

CLOFARABINE

	Day 4	Day 6	Day 8	Beating	Neurite
1 μ M				-	
10 μ M				-	*
50 μ M				-	*