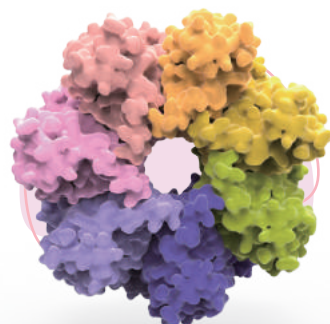
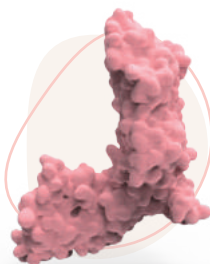
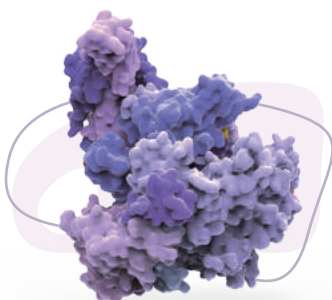
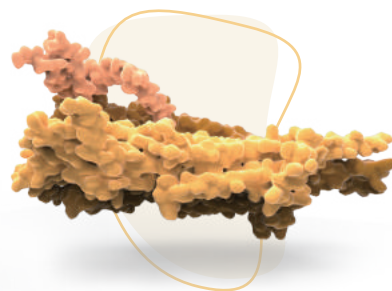
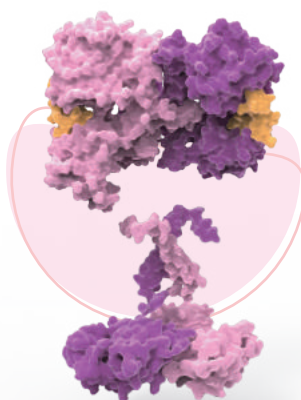
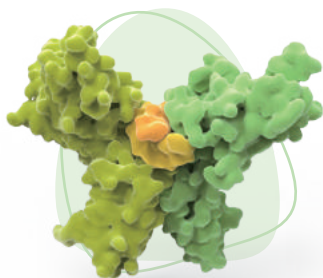
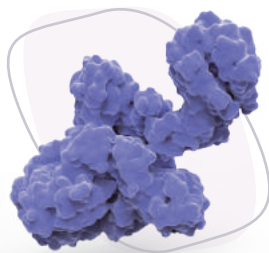
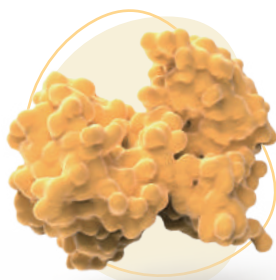


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Publications Citing Use of MCE Products



Nature. 2020 Apr;580(7803):386-390.  
 Cell. 2020 Apr 6. pii: S0092-8674(20)30268-3.  
 Cell. 2020 Mar 5;180(5):941-955.e20.  
 Nature. 2020 Mar;579(7799):433-437.  
 Science. 2020 Feb 14;367(6479):806-810.  
 Cell. 2020 Feb 20;180(4):645-654.e13.  
 Nature. 2019 Dec;576(7786):274-280.  
 Cell. 2019 Dec 12;179(7):1483-1498.e22.  
 Cell. 2019 Dec 12;179(7):1566-1581.e16.  
 Nature. 2019 Nov;575(7782):375-379.  
 Nature. 2019 Nov;575(7784):683-687.  
 Nature. 2019 Oct;574(7777):264-267.  
 Cell. 2019 Oct 31;179(4):864-879.e19.  
 Nat Nanotechnol. 2019 Oct;14(10):988-993.  
 Nat Biotechnol. 2019 Oct;37(10):1209-1216.  
 Cell. 2019 Aug 22;178(5):1145-1158.e20.  
 Cell. 2019 Aug 22;178(5):1132-1144.e10.  
 Nature. 2019 Jul;571(7763):127-131.  
 Science. 2019 Jul 19;365(6450).  
 Cell. 2019 Jul 25;178(3):585-599.e15.  
 Cell. 2019 Jul 11;178(2):330-345.e22.

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## PI3K/Akt/mTOR

Akt	AMPK	<b>Cat. No.</b>	<b>Product Name</b>	<b>Cat. No.</b>	<b>Product Name</b>
ATM/ATR	DNA-PK	HY-10219	Rapamycin (Sirolimus)	HY-13003	Torin 1
GSK-3	MELK	HY-15244	Alpelisib	HY-15186	Ipatasertib (GDC-0068; RG7440)
mTOR	PDK-1	HY-19312	3-Methyladenine (3-MA)	HY-13522	Fimepinostat (CUDC-907)
PI3K	PI4K	HY-10182	CHIR-99021	HY-70063	Buparlisib (BKM120)
PIKfyve	PTEN	HY-10108	LY294002	HY-13002	Torin 2
		HY-10358	MK-2206	HY-13417	AICAR
		HY-19323	Ceralasertib (AZD6738)	HY-101566A	BAY-1895344
		HY-12513	LY3023414	HY-P0175	740 Y-P
		HY-10218	Everolimus (RAD001)	HY-10422	AZD-8055
		HY-101562	GDC-0077	HY-13026	Idelalisib (CAL-101; GS-1101)
		HY-101570	Nedisertib	HY-19939S	VX-984
		HY-15346	Copanlisib	HY-10514	BX795
		HY-13902	Berzosertib (VE-822; VX-970)	HY-15512A	OTSSP167
		HY-15431	Capivasertib (AZD5363)	HY-13074	VO-Ohpic
		HY-17471A	Metformin	HY-12046	PIK-93

## Epigenetics

AMPK	<b>Cat. No.</b>	<b>Product Name</b>	<b>Cat. No.</b>	<b>Product Name</b>
Aurora Kinase	HY-13030	(+)-JQ-1	HY-15149	Romidepsin (FK 228)
DNA Methyltransferase	HY-15743	Birabresib (OTX-015; MK-8628)	HY-15145	SRT 1720
Epigenetic Reader Domain	HY-13803	Tazemetostat (EPZ-6438)	HY-12635	SP2509
HDAC	HY-13470	GSK126	HY-108696	GNE-781
Histone Acetyltransferase	HY-107455	A-485	HY-A0004	Decitabine (5-Aza-2'-deoxycytidine)
Histone Demethylase	HY-104048	QC6352	HY-13980	UNC0642
Histone Methyltransferase	HY-101563	GSK3326595	HY-15452	Selisistat (EX-527)
JAK	HY-15144	Trichostatin A (TSA)	HY-111048	Corin
MicroRNA	HY-15229	Guadecitabine (SGI-110)	HY-13235	I-BET151
PARP	HY-13032	Molibresib (I-BET762; GSK525762)	HY-100482	CPI-637
PKC	HY-103713	Seclidemstat (SP-2577)	HY-12186	3-Deazaneplanocin A (DZNep)
Protein Arginine Deiminase	HY-13418	Dorsomorphin (Compound C)	HY-100514	GSK484
Sirtuin	HY-15648B	GSK-J4	HY-16425	RG2833
	HY-101564	JNJ-64619178	HY-12163	Entinostat (MS-275)
	HY-16925	MI-503	HY-10224	Panobinostat (LBH589)

## Autophagy

Autophagy	FKBP	Cat. No.	Product Name	Cat. No.	Product Name
LRRK2	Mitophagy	HY-11109	Resatorvid (TAK-242)	HY-10971	Alisertib (MLN8237)
ULK		HY-10162	Olaparib (AZD2281)	HY-B0015	Paclitaxel (Taxol)
		HY-100411	MLi-2	HY-17559	Actinomycin D
		HY-70002	Enzalutamide (MDV3100)	HY-17394	Cisplatin (CDDP)
		HY-B0146	Verteporfin	HY-15371	Forskolin (Coleonol)
		HY-13756	Tacrolimus (FK506; Fujimycin)	HY-17371	Oxaliplatin
		HY-13992	AP20187	HY-13636	Fulvestrant (ICI 182780)
		HY-13259	MG-132	HY-12481	SAR405
		HY-19312	3-Methyladenine (3-MA)	HY-100006A	MRT68921
		HY-13251	Silvestrol	HY-16966	SBI-0206965
		HY-12320	Cycloheximide (Actidione; CHX)	HY-13018	MRT67307
		HY-10108	LY294002	HY-100941	CCCp
		HY-15142	Doxorubicin	HY-16592	Brefeldin A (BFA)
		HY-100558	Bafilomycin A1	HY-12990	Spautin-1
		HY-50856	Ruxolitinib (INCB18424)	HY-10129	Veliparib (ABT-888)

## Apoptosis

Apoptosis	Bcl-2 Family	Cat. No.	Product Name	Cat. No.	Product Name
c-Myc	Caspase	HY-100741	S63845	HY-100579	Ferrostatin-1
DAPK	Ferroptosis	HY-10087	Navitoclax (ABT-263)	HY-16046	Rimiducid (AP1903)
FKBP	IAP	HY-13756	Tacrolimus (FK506; Fujimycin)	HY-F0003	NADPH
MDM-2/p53	PKD	HY-13992	AP20187 (B/B Homodimerizer)	HY-101565	AMG-176
RIP Kinase	Survivin	HY-16658	Z-VAD(OMe)-FMK	HY-101297	Z-IETD-FMK
Thymidylate Synthase		HY-15763	Erastin	HY-18658	Siremadlin (HDM 201)
TNF Receptor		HY-13205	Belnacasan (VX-765)	HY-19741	A-1331852
		HY-15676	Idasanutlin (RG7388)	HY-12466	Z-DEVD-FMK
		HY-114481	Imidazole ketone erastin (IKE)	HY-102080	SAFit2
		HY-12296	AMG 232	HY-12726	Liproxstatin-1
		HY-50936	Trabectedin (ET-743)	HY-12635	SP2509
		HY-15531	Venetoclax (ABT-199; GDC-0199)	HY-13002	Torin 2
		HY-12305	Q-VD-OPH (QVD-OPH)	HY-50907	ABT-737
		HY-15518	LCL161	HY-16591	Birinapant
		HY-10959	RG7112	HY-10396	Emricasan (PF 03491390)

# Cell Cycle/DNA Damage

	Cat. No.	Product Name	Cat. No.	Product Name
Antifolate				
APC	HY-13631A	Exatecan	HY-16592	Brefeldin A (BFA)
ATM/ATR	HY-13442A	Eribulin Mesylate	HY-12137	Volasertib (BI 6727)
Aurora Kinase	HY-10162	Olaparib (AZD2281)	HY-16209	Forodesine (BCX-1777)
Casein Kinase	HY-10619	Niraparib (MK-4827)	HY-101212	CYC065
CDK	HY-114177	PF-06873600	HY-103618	THZ531
Checkpoint Kinase (Chk)	HY-16737	Elafibranor (GFT505)	HY-13624A	Epirubicin (4'-Epidoxorubicin)
CRISPR/Cas9	HY-15162	Monomethyl auristatin E (MMAE)	HY-50855	Silmitasertib (CX-4945)
Deubiquitinase	HY-13251	Silvestrol	HY-50935	Troglitazone (CS-045)
DNA Alkylator/Crosslinker	HY-12320	Cycloheximide (Actidione; CHX)	HY-17371	Oxaliplatin
DNA-PK	HY-16297	Abemaciclib (LY2835219)	HY-104044	Pamiparib (BGB-290)
DNA/RNA Synthesis	HY-10993	Adavosertib (AZD1775; MK-1775)	HY-16261	Aldoxorubicin (INNO-206)
Eukaryotic Initiation Factor (eIF)	HY-10617	Rucaparib (AG-014699)	HY-80013	THZ1
G-quadruplex	HY-50767	Palbociclib (PD 0332991)	HY-101566A	BAY-1895344
Haspin Kinase	HY-13316	Mitomycin C (Ametycine)	HY-112162	BOS-172722
HDAC	HY-19323	Ceralasertib (AZD6738)	HY-10129	Veliparib (ABT-888)
HSP	HY-103712A	Samuraciclib (CT7001)	HY-12214A	NVP-2
IRE1	HY-112088	AZD4573	HY-13469	Debio 0932 (CUDC-305)
Kinesin	HY-16106	Talazoparib (BMN-673)	HY-19831	4EGI-1
LIM Kinase (LIMK)	HY-17565	Bleomycin	HY-13753	Streptozocin (Streptozotocin)
Microtubule/Tubulin	HY-112654	GCN2iB	HY-B0779	Teprenone (Geranylgeranylacetone)
Mps1	HY-10971	Alisertib (MLN 8237)	HY-12871B	Atuveciclib (BAY-1143572)
Nucleoside Antimetabolite/Analog	HY-12037	Rigosertib (ON-01910)	HY-15372	GW 6471
p97	HY-B0015	Paclitaxel (Taxol)	HY-114258	LY3295668 (AK-01)
PAK	HY-17559	Actinomycin D	HY-90006	5-Fluorouracil (5-FU)
PARP	HY-104040	MKC8866	HY-30237	Seliciclib (Roscovitine; CYC202)
PERK	HY-19620	Branaplam (LMI070)	HY-15725	CDDO-Im (RTA-403)
Polo-like Kinase (PLK)	HY-17394	Cisplatin (CDDP)	HY-100888	Simurosertib (TAK-931)
PPAR	HY-101570	Nedisertib (M3814)	HY-18682	Centrinone (LCR-263)
RAD51	HY-10211	Tanespimycin (17-AAG)	HY-18072	GSK2606414
ROCK	HY-13902	Berzosertib (VE-822; VX-970)	HY-17618	Pemafibrate
Sirtuin	HY-15777	Ribociclib (LEE011)	HY-107986	GNE-6776
SRPK	HY-109101	Risdiplam (RG7916; RO7034067)	HY-12861	CB-5083
Telomerase	HY-18174	Prexasertib (LY2606368)	HY-130250	SR-4835
TOPK	HY-17364	Temozolomide (TMZ)	HY-15147	XAV-939
Topoisomerase	HY-10492	Dinaciclib (SCH 727965)	HY-13323	CX-5461

# Metabolic Enzyme/Protease

Oxidoreductases:		Cat. No.	Product Name	Cat. No.	Product Name
Elastase		HY-12248	Telaglenastat	HY-10227	Bortezomib
5 alpha Reductase	Factor Xa	HY-12222	Obeticholic acid	HY-N0565B	Doxycycline
5'-Deiodinase	Glucosidase	HY-16901	Firsocostat	HY-101560	Linrodostat
Aldehyde Dehydrogenase	MAGL	HY-13756	Tacrolimus	HY-14434	Asunaprevir
Aldose Reductase	MMP	HY-70062	Pevonedistat	HY-15193	EMD638683
Cytochrome P450	Nepriylsin	HY-13259	MG-132	HY-P0025	NIM811
Dopamine $\beta$ -hydroxylase	Phosphatase	HY-19312	3-Methyladenine	HY-B0764	Bucladesine
Glutathione Peroxidase	Phosphodiesterase (PDE)	HY-12219A	MSI-1436	HY-100116A	Mitoquinone
HIF/HIF Prolyl-Hydroxylase	Phospholipase	HY-15689	Epacadostat	HY-13426	Roxadustat
HMG-CoA Reductase	Proteasome	HY-12867	PT-2385	HY-120384	AZD-0284
Indoleamine 2,3-Dioxygenase	Renin	HY-109083	Cilofexor	HY-50876	(E)-Daporinad
Isocitrate Dehydrogenase	Soluble Epoxide Hydrolase	HY-18657	TEPP-46	HY-112929	DT-061
Lactate Dehydrogenase	Thrombin	HY-116009	RMC-4550	HY-108697	PT2399
Lipoxygenase	<b>Lyases:</b>	HY-101979A	CB-1158	HY-50108	GW 4064
NADPH Oxidase	Carbonic Anhydrase	HY-15424	5-Iodotubercidin	HY-17367A	Atazanavir
Stearoyl-CoA Desaturase	Decarboxylase	HY-107418	Tropifexor	HY-17605	Bictegravir
Tryptophan Hydroxylase	Enolase	HY-12434	INT-767	HY-13966	2-Deoxy-D-glucose
Tyrosinase	<b>Ligase:</b>	HY-15676	Idasanutlin	HY-D0937	Methoxy-PMS
Xanthine Oxidase	Acetyl-CoA Carboxylase	HY-12296	AMG 232	HY-18767	Ivosidenib
<b>Transferases:</b>	<b>Isomerase</b>	HY-100388	SHP099	HY-14771A	Imeglimin
COMT	<b>Others:</b>	HY-18770B	Navoximod	HY-10502	Tipifarnib
Acyltransferase	CETP	HY-112645	BAY-2402234	HY-15287A	Nelfinavir
Carbohydrate transferase	Drug Metabolite	HY-101842	ND-646	HY-13469	Debio 0932
E1/E2/E3 Enzyme	Endogenous Metabolite	HY-104037	Cintirorgon	HY-10912	Fexaramine
Farnesyl Transferase	FXR	HY-101772	Ziritaxestat	HY-14992	Bay 60-7550
Fatty Acid Synthase (FAS)	HCV Protease	HY-18950	GSK2795039	HY-B0779	Teprenone
Gutathione S-transferase	HIV Integrase	HY-15371	Forskolin	HY-15768	Ilomastat
Nampt	HIV Protease	HY-16278	Pradigastat	HY-104042	Vorasidenib
Pyruvate Kinase	LXR	HY-100218A	RSL3	HY-15760	Necrostatin-1
<b>Hydrolases:</b>	Mineralocorticoid Receptor	HY-12270	T-5224	HY-109011	Rosiptor
Ester hydrolase	Mitochondrial Metabolism	HY-B0763	Ibudilast	HY-15148	Tipranavir
Adenosine Deaminase	RAR/RXR	HY-125840	PT2977	HY-13233A	Talabostat
Aminopeptidase	Reactive Oxygen Species	HY-100337	WWL70	HY-100742A	(R)-GNE-140
ACE	ROR	HY-14896	Opicapone	HY-100487	TAK-243
Cathepsin	Ser/Thr Protease	HY-122218	JHU-083	HY-10231	PX-478
Dipeptidyl Peptidase					



# Protein Tyrosine Kinase/RTK

Receptor Tyrosine Kinases (RTKs):	Cat. No.	Product Name	Cat. No.	Product Name
ALK	HY-16749	Pexidartinib (PLX-3397)	HY-12050	CP-673451
c-Fms	HY-112301	Pralsetinib (BLU-667)	HY-12289	Defactinib (VS-6063)
c-Kit	HY-P9907	Trastuzumab	HY-18007	ALW-II-41-27
c-Met/HGFR	HY-10997	Ibrutinib (PCI-32765)	HY-100492	Fisogatinib (BLU-554)
Discoidin Domain Receptor	HY-114153	PLX5622	HY-101474A	Zanubrutinib (BGB-3111)
EGFR	HY-12768	BLZ945	HY-10181	Dasatinib (BMS-354825)
Ephrin Receptor	HY-109078	Vecabrutinib (SNS-062)	HY-13342	Apatinib (YN968D1)
FGFR	HY-15150	Bemcentinib (R428; BGB324)	HY-101916	Heparan
FLT3	HY-16961	Sitravatinib (MGCD516)	HY-129550	BI-4020
IGF-1R	HY-15772	Osimertinib (AZD-9291)	HY-13024	Rebastinib (DCC-2036)
Insulin Receptor	HY-P9905	Cetuximab (C225)	HY-13016	Cabozantinib (XL184)
PDGFR	HY-P9906	Bevacizumab	HY-10261	Afatinib (BIBW 2992)
RET	HY-10374	Semaxinib (SU5416)	HY-15730	Pozotinib (HM781-36B)
ROS	HY-112306	Ripretinib (DCC-2618)	HY-50895	Gefitinib (ZD1839)
TAM Receptor	HY-10981	Lenvatinib (E7080)	HY-10191	Linsitinib (OSI-906)
Trk Receptor	HY-50904	Nintedanib (BIBF 1120)	HY-13001	Quizartinib (AC220)
VEGFR	HY-112299	TAS6417	HY-12823	BLU9931
	HY-109099	Pemigatinib (INCB054828)	HY-101568	Roblitinib (FGF-401)
	HY-18708	Erdafitinib (JNJ-42756493)	HY-12866A	Larotrectinib (LOXO-101)
	HY-17600	Acalabrutinib (ACP-196)	HY-112215	ARQ 531
	HY-P9912	Pertuzumab	HY-13223	Crenolanib (CP-868596)
	HY-12432	Gilteritinib (ASP2215)	HY-101549	MRX-2843 (UNC2371)
	HY-18750	AZD3759	HY-128757	Remibrutinib
	HY-101977	Selitrectinib (LOXO-195)	HY-15514A	Merestinib (LY2801653)
	HY-100818	Futibatinib (TAS-120)	HY-15458	SAR131675
	HY-13311	Infigratinib (BGJ-398)	HY-15959	Savolitinib (Volitinib; AZD-6094)
	HY-114370	Selpercatinib (LOXO-292)	HY-11092	BMS-509744
	HY-101561	Avapritinib (BLU-285)	HY-109086	Edicotinib (JNJ-40346527)
	HY-P0035	Insulin (human)	HY-103022	Repotrectinib (TPX-0005)
	HY-100342	Ibrutinib-biotin	HY-10200	BMS-754807
	HY-104065	Pyrotinib (SHR-1258)	HY-12857	Brigatinib (AP-26113)
	HY-16069	Tucatinib (Irbinitinib; ONT-380)	HY-50878	Crizotinib (PF-02341066)
	HY-12215	Lorlatinib (PF-06463922)	HY-19834	Fenebrutinib (GDC-0853)
	HY-10331	Regorafenib (BAY 73-4506)	HY-15764A	A 419259 (RK 20449)
	HY-100867A	TAK-659	HY-101215	Evobrutinib (M2951)

## Non-Receptor Tyrosine Kinases (NRTKs):

Ack1				
Bcr-Abl				
BMX Kinase				
Btk				
FAK				
Itk				
Pyk2				
Src				
Syk				

## Immunology/Inflammation

Aryl Hydrocarbon Receptor		Cat. No.	Product Name	Cat. No.	Product Name
CCR	CD73	HY-12885B	ADU-S100 (MIW815)	HY-10218	Everolimus (RAD001)
Complement System		HY-10037	Quilapton (MK591)	HY-15776	HG-9-91-01
COX	CXCR	HY-117287	BMS-986165	HY-101147	YKL-05-099
FKBP	FLAP	HY-11109	Resatorvid (TAK-242)	HY-16046	Rimiducid (AP1903)
Galectin	IFNAR	HY-14882A	Cenicriviroc (TAK-652)	HY-17589	Chloroquine Phosphate
Interleukin Related		HY-13756	Tacrolimus (FK506; Fujimycin)	HY-B0579	Cyclosporin A (Cyclosporine)
IRAK	MyD88	HY-12815A	MCC950 (CP-456773; CRID3)	HY-17627	Avacopan (CCX168)
NO Synthase		HY-13992	AP20187	HY-108730	Avelumab
NOD-like Receptor (NLR)		HY-P9904	Atezolizumab	HY-102080	SAFit2
PD-1/PD-L1	PGE Synthase	HY-18739	Phorbol 12-myristate 13-acetate	HY-109044	Tapinarof (GSK2894512)
Reactive Oxygen Species		HY-50937	ST 2825	HY-13740	Resiquimod (R848)
Salt-inducible Kinase (SIK)		HY-112921B	diABZI STING agonist-1	HY-109104	Telratolimod (MEDI 9197; 3M-052)
SPHK	STING	HY-10964	Vadimezan (DMXAA; ASA-404)	HY-100116A	Mitoquinone
Thrombopoietin Receptor		HY-13245	PF-4136309 (INCB8761)	HY-50674	INCB3344
Toll-like Receptor (TLR)		HY-19745	BMS-202	HY-P9903	Nivolumab (BMS-936558)

## Stem Cell/Wnt

Casein Kinase		Cat. No.	Product Name	Cat. No.	Product Name
Gli	ERK	HY-B0146	Verteporfin (CL 318952)	HY-15147	XAV-939
Hedgehog	GSK-3	HY-10182	CHIR-99021 (CT99021)	HY-12681	CCT251545
JAK	Hippo (MST)	HY-10071	Y-27632	HY-13418A	Dorsomorphin (Compound C)
Oct3/4	Notch	HY-16975	SH-4-54	HY-109049	Adavivint (SM04690)
Porcupine	PKA	HY-50846	SCH772984	HY-19369	L-685458
sFRP-1	ROCK	HY-17545	LGK974 (WNT974)	HY-116830	BRD0705
STAT	Smo	HY-100526	XMU-MP-1	HY-13257	Thiazovivin
Wnt	TGF-beta/Smad	HY-15307	SLx-2119 (KD-025)	HY-11102	RO4929097 (RG-4733)
β-catenin	YAP	HY-15392	Chroman 1	HY-14176	Compound E
		HY-13027	DAPT (GSI-IX)	HY-10590	TWS119
		HY-14428	ICG-001	HY-16294	LY2090314
		HY-50752	LY-411575	HY-14443	XMD8-92
		HY-17024	Cyclopamine (11-Deoxojervine)	HY-100830	NCB-0846
γ-secretase	YAP	HY-15185	Nirogacestat (PF-3084014)	HY-15659	Wnt-C59 (C59)
		HY-13901	GANT 61 (NSC 136476)	HY-10046	Plerixafor (AMD 3100)

# Anti-infection

		Cat. No.	Product Name	Cat. No.	Product Name
Arenavirus	Bacterial	HY-104077	Remdesivir (GS-5734)	HY-17362	Vancomycin
CMV	Enterovirus	HY-14882A	Cenicriviroc (TAK-652)	HY-B0490	Hygromycin B
Filovirus	Fungal	HY-19930	Vaborbactam (RPX7009)	HY-15148	Tipranavir (PNU-140690)
HBV	HCV	HY-109025	Baloxavir marboxil (S-033188)	HY-13986	Merimepodib (VX-497)
HIV	HSV	HY-12320	Cycloheximide (Actidione; CHX)	HY-12983	ALS-8112
Influenza Virus	Parasite	HY-17628	Cefiderocol (S-649266)	HY-17409	Nystatin
Reverse Transcriptase		HY-17565	Bleomycin	HY-15303	Pritelivir (BAY 57-1293; AIC316)
RSV	SARS-CoV	HY-15695	Puromycin Aminonucleoside	HY-10846	Delamanid (OPC-67683)
Virus Protease		HY-18649	Galidesivir (BCX4430)	HY-16727	Presatovir (GS-5806)
		HY-50101A	Mavoxifafor (AMD-070 )	HY-10241	Simeprevir (TMC435)
		HY-17006	Caspofungin Acetate (MK- 0991)	HY-17586	Dalbavancin (BI-397)
		HY-B1743A	Puromycin (CL13900)	HY-15597	Salinomycin (Procoxacin)
		HY-17589	Chloroquine	HY-14989	SQ109 (NSC722041)
		HY-A0098	Tunicamycin	HY-13004	Maraviroc (UK-427857)
		HY-12594	Paritaprevir (ABT-450)	HY-14768	Favipiravir (T-705)
		HY-14865C	Omadacycline (PTK0796)	HY-13238	Dolutegravir (S/GSK1349572)
		HY-N0565B	Doxycycline	HY-112205A	RR-11a analog
		HY-14434	Asunaprevir (BMS-650032)	HY-10493	Cobicistat (GS-9350)
		HY-12559	Alisporivir (Debio-025)	HY-B0117	Tigecycline (GAR-936)
		HY-P0025	NIM811	HY-101954	Inarigivir
		HY-13740	Resiquimod (R848)	HY-16468	Squalamine (MSI-1256)
		HY-16742	Gepotidacin (GSK2140944)	HY-15460	CHIR-090
		HY-100029	Bay 41-4109	HY-90001	Ritonavir (ABT 538)
		HY-14879A	Avibactam (NXL-104)	HY-15233	Letermovir (AIC246)
		HY-104012	Islatravir (MK-8591)	HY-B0522A	Ampicillin
		HY-13318	Oseltamivir acid (GS 4071)	HY-16973	Fluralaner (A1443)
		HY-14737	Ceftaroline fosamil (TAK-599)	HY-101479	Iclaprim (AR-100)
		HY-17367A	Atazanavir (BMS-232632)	HY-10373	Trimetrexate (CI-898)
		HY-17605	Bictegravir (GS-9883)	HY-B1123	Auranofin (SKF-39162)
		HY-15287A	Nelfinavir (AG-1343)	HY-16980A	Eravacycline (TP-434)
		HY-17561	G-418 (Geneticin)	HY-15298	Grazoprevir (MK-5172)
		HY-16752	Relebactam (MK-7655)	HY-135747	Gut restricted-7
		HY-112579	Ceftobiprole (Ro 63-9141)	HY-P0017	Aprotinin
		HY-14881	Bedaquiline (TMC207)	HY-10392	Sutezolid (PNU-100480)
		HY-16730	Sarolaner (PF-6450567)	HY-17593	Solithromycin (CEM-101)

## JAK/STAT Signaling

EGFR	JAK	Cat. No.	Product Name	Cat. No.	Product Name
Pim	STAT	HY-19322B	PIM-447 (LGH447)	HY-104065	Pyrotinib (SHR-1258)
		HY-117287	BMS-986165	HY-16069	Tucatinib (Irbinitinib)
		HY-P9907	Trastuzumab	HY-129550	BI-4020
		HY-109053	Delgocitinib (JTE-052)	HY-10261	Afatinib (BIBW 2992)
		HY-19569	Upadacitinib (ABT-494)	HY-15730	Poziotinib (HM781-36B)
		HY-15772	Osimertinib (AZD-9291)	HY-50895	Gefitinib (ZD1839)
		HY-P9905	Cetuximab (C225)	HY-100754	PF-06651600
		HY-50856	Ruxolitinib (INCB18424)	HY-10409	Fedratinib (TG-101348)
		HY-16975	SH-4-54	HY-16997	Itacitinib (INCB039110)
		HY-112299	TAS6417	HY-50896	Erlotinib (CP-358774)
		HY-P9912	Pertuzumab	HY-15146	NSC 74859 (S3I-201)
		HY-18750	AZD3759	HY-100494	SH5-07
		HY-104065B	Pyrotinib (SHR-1258)	HY-13050	Sapitinib (AZD-8931)
		HY-40354	Tofacitinib (CP-690550)	HY-16379	Pacritinib (SB1518)
		HY-18960	CHZ868	HY-111553	TAS0728

## MAPK/ERK Pathway

ERK	Cat. No.	Product Name	Cat. No.	Product Name
JNK	HY-15605	Encorafenib (LGX818)	HY-18972	PLX8394
KLF	HY-50846	SCH772984	HY-50706	Selumetinib (AZD6244)
MAP3K	HY-10256	SB 203580	HY-10999A	Trametinib (GSK-1120212)
MAP4K	HY-100022	Tomivosertib (eFT508)	HY-14660	Dabrafenib (GSK2118436)
MAPKAPK2 (MK2)	HY-12057	Vemurafenib (PLX4032)	HY-10254	PD0325901
MEK	HY-18938	Selonsertib (GS-4997)	HY-10402	Losmapimod (GW856553X)
Mixed Lineage Kinase	HY-12028	PD98059	HY-15202	Binimetinib (MEK162)
MNK	HY-12031	U0126	HY-12599	URMC-099
p38 MAPK	HY-13064	Cobimetinib (GDC-0973)	HY-12558	LY3009120 (DP-4978)
Raf	HY-10201	Sorafenib (Bay 43-9006)	HY-10295	SB 202190
Ribosomal S6 Kinase (RSK)	HY-32018	Cot inhibitor-2	HY-12947	GNE-3511
	HY-15947	Ravoxertinib (GDC-0994)	HY-15816	Ulixertinib (BVD-523)
	HY-112082	BAY885	HY-103490	Takinib
	HY-10999	Trametinib (GSK1120212)	HY-52101	CMK
	HY-112089	LXH254	HY-10510	BI-D1870

## GPCR/G Protein

Class A:		Cat. No.	Product Name	Cat. No.	Product Name
Adenosine Receptor	Kisspeptin Receptor	HY-114277	AMG-510	HY-15778	AVE 0991
Adenylate Cyclase	Leukotriene Receptor	HY-U00418	ARS-1620	HY-15418	RS 504393
Adiponectin Receptor	LPL Receptor	HY-15677	INT-777	HY-19870	Setmelanotide
Adrenergic Receptor	mAChR	HY-130149	MRTX849	HY-13951	ICI 118,551
Adrenergic Receptor	MCHR1 (GPR24)	HY-112185	GLP-1 receptor agonist 1	HY-12355	Siponimod
Angiotensin Receptor	Melanocortin Receptor	HY-12434	INT-767	HY-15848	AdipoRon
Apelin Receptor	Melatonin Receptor	HY-13948	Angiotensin II human	HY-10017	SCH 546738
Bombesin Receptor	mGluR	HY-P0014	Liraglutide	HY-P0202	Endothelin 1
Bradykinin Receptor	Motilin Receptor	HY-13245	PF-4136309	HY-101952	Prostaglandin E2
Cannabinoid Receptor	Neurokinin Receptor	HY-32709	Telcagepant	HY-100619	BMS-986020
CaSR	Neuromedin U receptor 2	HY-15608	MPTP	HY-10198	Navarixin
CCR	Neuropeptide Y Receptor	HY-50101A	Mavorixafor	HY-114118A	Semaglutide
CGRP Receptor	Neurotensin Receptor	HY-15403A	Atrasentan	HY-111343	ONC212
Cholecystokinin Receptor	Opioid Receptor	HY-15252	Reparixin	HY-10302	MK-3207
Class A Orphans	Orexin (OX) Receptor	HY-13443	Exendin-4	HY-10480	Fasiglifam
CRFR	Oxytocin Receptor	HY-101978	CPI-444	HY-B0606	Diquafosol
CXCR	P2Y Receptor	HY-126247	BI-2852	HY-14870	Selexipag
Dopamine Receptor	Platelet-Activating Factor Receptor	HY-114436	MRTX-1257	HY-P0171	Motixafortide
EBI2/GPR183	Prolactin-Releasing Peptide Receptor	HY-13848	AZD8797	HY-14779	Riociguat
Endothelin Receptor	Prostaglandin Receptor	HY-103088	E7046	HY-B0879A	Suramin
Formylpeptide Receptor	Protease-Activated Receptor (PAR)	HY-14864	Mapracorat	HY-114398	BAY-293
GHSR	Ras	HY-15894	BQ-788	HY-A0013	Bosentan
Glucocorticoid Receptor	RGS Protein	HY-19855	AZD-5069	HY-N0583	Hydrocortisone
GNRH Receptor	Sigma Receptor	HY-119243	LY2794193	HY-P0082	Glucagon
GPCR19	Somatostatin Receptor	HY-15319	AMG 487	HY-100775	Setogepam
GPR109A	TSH Receptor	HY-50674	INCB3344	HY-10013	Taranabant
GPR119	Urotensin Receptor	HY-12802	AF38469	HY-12080	BX471
GPR120	Vasopressin Receptor	HY-101295	Pan-RAS-IN-1	HY-112558	AZ3451
GPR139	<b>Class B:</b>	HY-19706	ARS-853	HY-16774	Vericiguat
GPR40	Glucagon Receptor	HY-14648	Dexamethasone	HY-103193	NKH477
GPR55	VIP and PACAP Receptors	HY-10095	Olcegepant	HY-17000	Tolvaptan
GPR84		HY-101980	AZD4635	HY-19904	Adomeglivant
Guanylate Cyclase		HY-16168A	Degarelix	HY-12378	BQ-123
Histamine Receptor		HY-P0264	Avexitide	HY-B0075	Melatonin
Imidazoline Receptor		HY-108677	L-368,899	HY-U00416	ARS-1323

# Neuronal Signaling

		Cat. No.	Product Name	Cat. No.	Product Name
5-HT Receptor	ACHe				
Adenosine Kinase		HY-17366	Clozapine (N-oxide)	HY-15084	Dizocilpine (MK-801)
Adrenergic Receptor		HY-A0190	Ceruletide (Caerulein)	HY-10448	Capsaicin
Amyloid- $\beta$	Beta-secretase	HY-15424	5-Iodotubercidin (NSC 113939)	HY-112723	ACT-709478
Calcium Channel		HY-32709	Telcagepant (MK-0974)	HY-12449	Crenigacestat (LY3039478)
CaMK		HY-15608	MPTP	HY-15064	HC-030031
Cannabinoid Receptor		HY-107422	PAT-1251	HY-12650	Mirogabalin (DS5565)
CGRP Receptor		HY-42110	Deschloroclozapine	HY-101386	PZM21
Cholecystokinin Receptor		HY-14896	Opicapone (BIA 9-1067)	HY-18779	PF-4840154
COMT		HY-100740	Lanabecestat (AZD3293)	HY-10809	Bitopertin (RG1678)
Dopamine Receptor		HY-15498	Rimegepant (BMS-927711)	HY-B0468	Isoprenaline (Isoproterenol)
Dopamine Transporter		HY-12802	AF38469	HY-14773	Mirabegron (YM178)
FAAH	GABA Receptor	HY-19608	GSK1016790A	HY-16567	Asenapine
GlyT	GPR119	HY-10095	Olcegepant (BIBN-4096)	HY-P0183	Nociceptin (Orphanin FQ)
GPR139	GPR55	HY-50752	LY-411575	HY-P1061A	Colivelin
Histamine Receptor		HY-19733	Lumateperone (ITI-007)	HY-14557A	Pimavanserin (ACP-103)
iGluR		HY-103040	Zuranolone	HY-19654	GSK598809
Imidazoline Receptor		HY-P1363	Amyloid $\beta$ -Peptide (1-42)	HY-106224	Orexin A
mAChR		HY-50682	Azeliragon (TTP488)	HY-10341	Fasudil (HA-1077)
MCHR1 (GPR24)		HY-101736	AMG9810	HY-13526	YO-01027 (Dibenzazepine; DBZ)
Melanocortin Receptor		HY-P0128	Amyloid beta-peptide(25-35)	HY-12777	Asivatrep (PAC-14028)
Melatonin Receptor		HY-10302	MK-3207	HY-15296	Cabergoline (FCE-21336)
mGluR		HY-15068	NBQX (FG9202)	HY-19370	FPS-ZM1
Monoamine Oxidase		HY-12428	A-1165442	HY-13410	Xanomeline (LY246708)
nAChR		HY-101507	Pico145 (HC-608)	HY-16725	Lemborexant (E-2006)
Neurokinin Receptor		HY-19369	L-685458	HY-12882A	Ifenprodil
Neuropeptide Y Receptor		HY-N2332A	Methyllycaconitine citrate	HY-19545A	SCH 23390
Neurotensin Receptor		HY-108337	GNE 0723	HY-15370A	SB-269970
Notch		HY-B0102A	Fluoxetine (LY-110140)	HY-P0117	Tat-NR2B9c (NA-1)
Opioid Receptor		HY-100714A	D-AP5	HY-101299B	Dihydropyridine (DAR-0100)
Orexin Receptor (OX Receptor)		HY-14176	Compound E	HY-P0201	Substance P
Serotonin Transporter		HY-B0075	Melatonin	HY-17631A	Edonergic (T-817MA)
Sigma Receptor		HY-B0726	Pilocarpine	HY-14763A	Cariprazine (RGH188)
Somatostatin Receptor		HY-14280	Entacapone	HY-13438	AZD3839
Trk Receptor	TRP Channel	HY-12745A	Nalfurafine (TRK-820)	HY-70059	LY341495
$\gamma$ -secretase		HY-108690	Fluxametamide	HY-16579A	Etifoxine

# Membrane Transporter/Ion Channel

	Cat. No.	Product Name	Cat. No.	Product Name
ATP Synthase				
BCRP	HY-12750	AZD3965	HY-108337	GNE 0723
Calcium Channel	HY-15763	Erastin	HY-19778	(R)-BPO-27
CFTR	HY-100558	Bafilomycin A1	HY-15699	SAR7334
Chloride Channel	HY-100720	GSK2193874	HY-N2143	Fumitremorgin C
CRAC Channel	HY-15598	20-HETE	HY-112302	HC-070
CRM1	HY-17607	Cenobamate (YKP3089)	HY-13017	Ivacaftor (VX-770)
EAAT2	HY-10010	Ko 143	HY-100714A	D-AP5
GABA Receptor	HY-15409	Empagliflozin (BI 10773)	HY-12693	R(+)-IAA-94
GlyT	HY-50879	Elacridar (GF120918)	HY-101455	CDN1163
HCN Channel	HY-111772	Elexacaftor (VX-445)	HY-15084	Dizocilpine (MK-801)
iGluR	HY-50694	Senicapoc (ICA-17043)	HY-10448	Capsaicin
Monoamine Transporter	HY-15718A	Istaroxime (PST2744)	HY-112723	ACT-709478
Monocarboxylate Transporter	HY-13248	AR-C155858	HY-12343	ML277 (CID-53347902)
Na <sup>+</sup> /Ca <sup>2+</sup> Exchanger	HY-19608	GSK1016790A	HY-100965	Diphenyleiodonium chloride (DPI)
Na <sup>+</sup> /HCO <sub>3</sub> <sup>-</sup> Cotransporter	HY-100381	Nigericin	HY-15064	HC-030031
Na <sup>+</sup> /K <sup>+</sup> ATPase	HY-13433	Thapsigargin	HY-12650	Mirogabalin (DS5565)
nAChR	HY-100390	(S)-ML753286	HY-50671	Zosuquidar (LY-335979)
NKCC	HY-10450	Dapagliflozin (BMS-512148)	HY-101840	EIPA (L593754)
P-glycoprotein	HY-103040	Zuranolone	HY-101664	Ilaprazole (IY-81149)
P2X Receptor	HY-15553A	Mibefradil (Ro 40-5967)	HY-18779	PF-4840154
Potassium Channel	HY-101588	Gefapixant (MK-7264)	HY-10809	Bitopertin (RG1678)
Proton Pump	HY-101736	AMG9810	HY-111651	Gboxin
SGLT	HY-10451	Canagliflozin (JNJ 28431754)	HY-16738A	Eleclazine (GS 6615)
Sodium Channel	HY-13434	Ionomycin	HY-17384	Valspodar (PSC 833)
TRP Channel	HY-101942	CM-4620	HY-12777	Asivatrep (PAC-14028)
URAT1	HY-15068	NBQX (FG9202)	HY-12758A	YHO-13351
VDAC	HY-15640	Capsazepine	HY-15258	Lesinurad (RDEA594)
	HY-15991	Tenapanor (AZD1722)	HY-12882A	Ifenprodil
	HY-12428	A-1165442	HY-100208	HC-067047
	HY-101507	Pico145 (HC-608)	HY-14483	AF-353 (Ro-4)
	HY-111925	BI-749327	HY-P0117	Tat-NR2B9c (NA-1)
	HY-13519	TRAM-34	HY-10634	AMG 517
	HY-16589	Oligomycin A (MCH 32)	HY-13646	Encequidar (HM30181)
	HY-N2332A	Methyllycaonitine	HY-111325	Synta66
	HY-12883	PF 05089771	HY-B1140	Diazoxide (Sch-6783)

# Cytoskeleton

	Cat. No.	Product Name	Cat. No.	Product Name
Arp2/3 Complex				
Dynamin	HY-13442A	Eribulin Mesylate	HY-19792	Mertansine (DM1)
Gap Junction Protein	HY-15575	VcMMAE	HY-13441	(-)-Blebbistatin
Integrin	HY-15162	Monomethyl auristatin E (MMAE)	HY-10913A	Danegaptide (GAP-134)
Kinesin	HY-15584	Taltobulin (HTI-286; SPA-110)	HY-16141	Cilengitide (EMD 121974)
Microtubule/Tubulin	HY-10222	Ixabepilone (BMS 247550)	HY-14951	Firategrast (SB 683699)
Mps1	HY-15578	McMMAF	HY-18676	OSU-T315
Myosin	HY-B0015	Paclitaxel (Taxol)	HY-15102	MK-0429 (L-000845704)
PAK	HY-106268A	Larazotide	HY-N0488	Vincristine (Leurocristine)
	HY-15583	Auristatin F	HY-50759	Ispinesib (SB-715992)
	HY-15204	Tonabersat (SB-220453)	HY-12454	DM4
	HY-B0011	Docetaxel (RP-56976)	HY-P0023	Cyclo(-)RGDfK
	HY-15278	Epothilone D (KOS 862)	HY-12793	KPT-9274
	HY-15886	Mdivi-1	HY-P0122	iRGD peptide (c(CRGDKGPDC))
	HY-17029	Epothilone B (Patupilone)	HY-13007	PF-3758309
	HY-112162	BOS-172722	HY-12858	Empesertib (BAY 1161909)

# NF-κB

	Cat. No.	Product Name	Cat. No.	Product Name
IKK				
Keap1-Nrf2	HY-112433	NIK SMI1	HY-112675	4-Octyl Itaconate
MALT1	HY-12212	Omaveloxolone (RTA-408)	HY-P0151	SN50
NF-κB	HY-18950	GSK2795039	HY-16561	Resveratrol (SRT501)
Reactive Oxygen Species	HY-100523	ML385	HY-13060	ACHP (IKK-2 Inhibitor VIII)
	HY-15473	MLN120B	HY-B0215	Acetylcysteine (NAC)
	HY-12213	CDDO-EA (RTA 405)	HY-111941	GSK8612
	HY-19356	Rocaglamide (Roc-A)	HY-12276	MALT1 inhibitor MI-2
	HY-100116A	Mitoquinone (MitoQ)	HY-18935A	CBL0137
	HY-101140	KI696	HY-115466	MLT-748
	HY-13324	Bardoxolone (RTA 402)	HY-B1960	Canthaxanthin
	HY-13755	Sulforaphane	HY-N0005	Curcumin
	HY-D0937	Methoxy-PMS	HY-13019	BI605906
	HY-13453	BAY 11-7082 (BAY 11-7821)	HY-14645	(-)-DHMEQ
	HY-15725	CDDO-Im (RTA-403; TP-235)	HY-13982	JSH-23
	HY-D0940	H2DCFDA	HY-10514	BX795



## TGF-beta/Smad

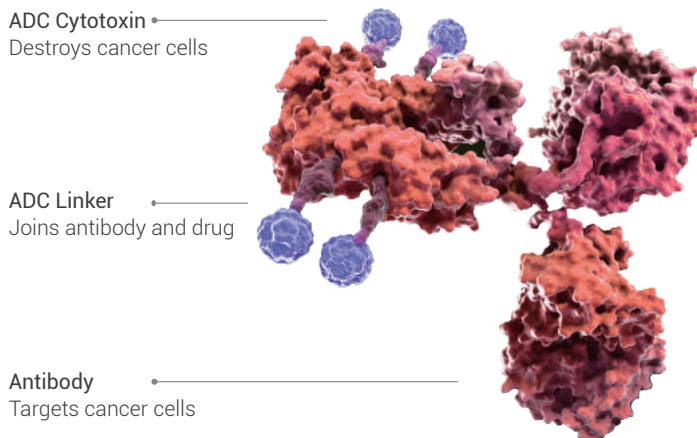
	Cat. No.	Product Name	Cat. No.	Product Name
PKC				
ROCK				
TGF-beta/Smad				
TGF-β Receptor				
	HY-10230	Midostaurin (PKC412)	HY-13434	Ionomycin (SQ23377)
	HY-13226	Galunisertib (LY2157299)	HY-10343	Sotrastaurin (AEB071)
	HY-10431	SB-431542	HY-13012	RepSox (E-616452)
	HY-10071	Y-27632	HY-103021	LY3200882
	HY-15141	Staurosporine	HY-N0439	Asiaticoside
	HY-12043	SB 525334	HY-12953	R-268712
	HY-15307	SLx-2119 (KD-025)	HY-P0118	Disitertide (P144)
	HY-15392	Chroman 1	HY-10195B	Ruboxistaurin (LY 333531)
	HY-12075	LY2109761	HY-15685	Ripasudil (K-115)
	HY-13013	(E)-SIS3	HY-13689	Go 6983 (Gö 6983)
	HY-B0673	Pirfenidone (AMR69)	HY-12659	LX7101
	HY-100347A	SRI-011381	HY-13521	SB-505124
	HY-19928	Vactosertib (TEW-7197)	HY-13867	Bisindolylmaleimide I
	HY-10432	A 83-01	HY-10342	Enzastaurin (LY317615)
	HY-12071	LDN193189 (DM-3189)	HY-112782	VTX-27

## Vitamin D Related

	Cat. No.	Product Name
Vitamin D		
Vitamin D Receptor (VDR)		
	HY-10002	Calcitriol (1,25-Dihydroxyvitamin D3)
	HY-A0020	Eldecalcitol (ED-71; 2-(3-hydroxypropoxy)-1,25-dihydroxyvitamin D3)
	HY-32343	Secalciferol ((24R)-24,25-Dihydroxyvitamin D3)
	HY-15830	25,26-Dihydroxyvitamin D3 (25,26-Dihydroxycholecalciferol)
	HY-10001	Calcipotriol (MC 903; Calcipotriene)
	HY-50919	Paricalcitol
	HY-76915	24, 25-Dihydroxy VD3
	HY-77274	Calcitriol Impurities D
	HY-15254	3-O-(2-Aminoethyl)-25-hydroxyvitamin D3
	HY-76801	24, 25-Dihydroxy VD2 (24,25-Dihydroxy vitamin D2)
	HY-32350	Ercalcitriol (1α,25-Dihydroxy Vitamin D2)
	HY-32342	Falecalcitriol
	HY-15332	Alfacalcidol-D6
	HY-32349	Ercalcidiol (25-hydroxy Vitamin D2)
	HY-15157	Calcitetrol (1α, 24, 25-Trihydroxy VD3)

# Antibody-drug Conjugate/ADC Related

The **antibody-drug conjugate (ADC)** is a humanized or human monoclonal antibody conjugated with highly cytotoxic small molecules (payloads) through chemical linkers. ADCs increase the cell-killing potential of monoclonal antibodies (mAbs), and confer higher tumor selectivity. Some ADCs has been approved by FDA.



50+

## ADC Cytotoxins

Cat. No.	Product Name
HY-15162	Monomethyl auristatin E
HY-15162A	D8-MMAE
HY-15584	Taltobulin
HY-15142	Doxorubicin Hydrochloride
HY-13316	Mitomycin C
HY-19610	alpha-Amanitin
HY-B0015	Paclitaxel
HY-15583	Auristatin F
HY-16261	Aldoxorubicin
HY-19609	Calicheamicin
HY-19792	Mertansine
HY-13631D	Dxd
HY-13062	Daunorubicin Hydrochloride
HY-14519	Methotrexate
HY-13704	SN-38
HY-15579A	MMAF Hydrochloride
HY-16700	PNU-159682
HY-13061	Daun02
HY-15579AS	D8-MMAF Hydrochloride
HY-16560	Camptothecin
HY-15580	Dolastatin 10
HY-12522	PF-06380101
HY-15739	Ansamitocin P-3
HY-14573	SJG-136
HY-112898	DC1SMe
HY-19474	Maytansinol
HY-125331	DRF-1042
HY-107769	Duocarmycin TM
HY-79256	MMAF-OMe

## Drug-Linker Conjugates for ADC

Cat. No.	Product Name
HY-15575	VcMMAE
HY-15578	McMMAF
HY-101070	SMCC-DM1
HY-13631E	Deruxtecan
HY-100374	Val-Cit-PAB-MMAE
HY-111012	DBCO-(PEG)3-VC-PAB-MMAE
HY-100566	SuO-Val-Cit-PAB-MMAE
HY-117410	Vipivotide tetraxetan
HY-126681	SC-VC-PAB-MMAE
HY-128870	Mal-PEG2-VCP-Eribulin
HY-100567	MAL-di-EG-Val-Cit-PAB-MMAE
HY-128943	MAC glucuronide phenol-linked SN-38
HY-114233	MC-GGFG-DX8951
HY-128946	CL2A-SN-38
HY-101141	sulfo-SPDB-DM4
HY-101982	Lys-SMCC-DM1
HY-100874	N3-PEG3-vc-PAB-MMAE
HY-15741	Mc-MMAE

500+

## ADC Linkers

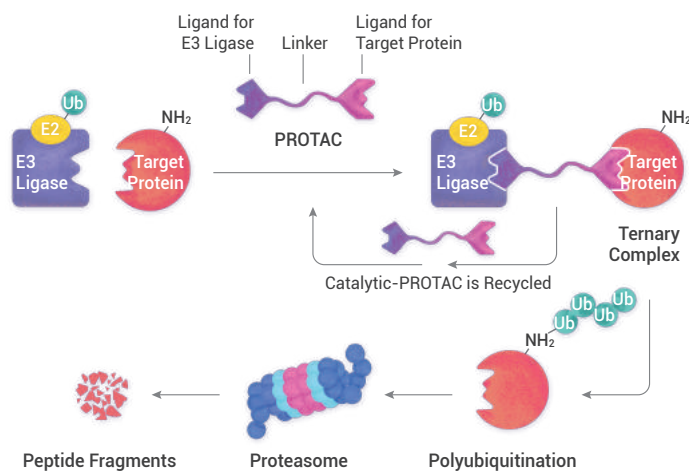
Cat. No.	Product Name
HY-78738	MC-Val-Cit-PAB
HY-12362	Val-cit-PAB-OH
HY-41189	Fmoc-Val-Cit-PAB-PNP
HY-20336	Mc-Val-Cit-PABC-PNP
HY-43869	Vipivotide tetraxetan Linker
HY-42973	DBCO-NHS ester
HY-114430	Fmoc-Phe-Lys(Boc)-PAB-PNP
HY-100216	SPDP
HY-19318	Fmoc-Val-Cit-PAB
HY-W008005	Amino-PEG4-alcohol
HY-D0975	Sulfo-SMCC (sodium)
HY-42972	DBCO-acid
HY-12448	SPDB

## PROTAC-linker Conjugates for PAC

Cat. No.	Product Name
HY-112100	PAC
HY-129938	PROTAC BRD4 degrader for PAC-1

# PROTAC

PROTACs or Proteolysis Targeting Chimeric Molecules are heterobifunctional nanomolecules that theoretically target any protein for ubiquitination and degradation. PROTACs consist of one moiety which is recognized by the E3 ligase. This moiety is then chemically and covalently



to a small molecule or a protein that recognizes the target protein. The trimeric complex formation leads to the transfer of ubiquitins to the target protein.

PROTAC has a desirable feature that combine several aspects of the small molecule, antibody and RNAi :

- The ability to target the undruggable proteome.
- Overcoming the accumulation of the drug target.
- Drug target alterations: mutations and binding partners.
- Gain of specificity with PROTACs.
- Catalytic nature of PROTACs.
- Event driven pharmacology and prolonged PD effect.

100+ PROTACs		50+ Ligands for E3 Ligase		50+ Ligands for Target Protein for PROTAC	
Cat. No.	Product Name	Cat. No.	Product Name	Cat. No.	Product Name
HY-107425	MZ 1	HY-42424	(S,R,S)-AHPC-Me	HY-13030	(+)-JQ-1
HY-101519	BETd-260	HY-103597	Thalidomide-O-COOH	HY-43723	PROTAC BET-binding moiety 2
HY-101838	dBET1	HY-101291	Iberdomide	HY-13001	Quizartinib
HY-129523	PROTAC K-Ras Degradar-1	HY-101763A	(S,R,S)-AHPC	HY-107451	PROTAC BET-binding moiety 1
HY-125878	PROTAC SGK3 degrader-1	HY-A0003	Lenalidomide	HY-107443	I-BET762 carboxylic acid
HY-112588	dBET6	HY-101488	CC-885	HY-126534A	CDK ligand for PROTAC
HY-114305	A1874	HY-10984	Pomalidomide	HY-44012A	SMARCA-BD ligand 1 for PROTAC
HY-112495	VH032-PEG5-C6-Cl	HY-100947	VH-298	HY-111606	DUPA
HY-103628	PROTAC CDK9 Degradar-1	HY-103596	Thalidomide-OH		
HY-112098	PROTAC ERα Degradar-1	HY-14658	Thalidomide		2,000+ PROTAC Linkers
HY-111433	BRD4 degrader AT1	HY-42424A	(S,R,S)-AHPC-Me		E3 Ligase Ligand-Linker Conjugates
HY-114228	PROTAC BET degrader-2	HY-41547	Thalidomide fluoride		Target Protein Ligand-Linker Conjugates
HY-128842	PROTAC MDM2 Degradar-3	HY-114406	TD-106		SNIPERs
HY-128359	ACBI1	HY-43722	Lenalidomide-Br		PROTAC-linker Conjugates for PAC
HY-114229	PROTAC BET degrader-3	HY-A0003B	Lenalidomide		
HY-112609	QCA570	HY-126457	Thalidomide-propargyl		
HY-122562	MT-802	HY-43961	E3 ligase Ligand 8		
HY-103634	dFKBP-1	HY-111663	VL285		
HY-123921	Gefitinib-based PROTAC 3	HY-126456	(S,R,S)-AHPC-propargyl		

# Compound Screening Libraries (96- or 384-well)

Our **ready-to-use** MedChemExpress (MCE) compound libraries consist of **over 10,000** small molecules with validated biological and pharmacological activities. They are available for **high-throughput screening (HTS)** and **high-content screening (HCS)**. Compound libraries are useful professional tools for **drug discovery and new indication research**.

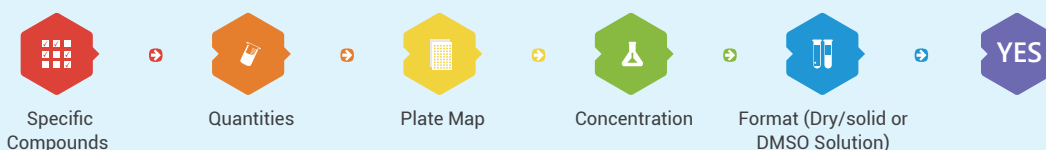
- **Safety and effectiveness** have been confirmed by literature, patent reports and clinical research. Many products are **FDA-approved**.
- Focuses on hundreds of targets that are **key components** in the fields of GPCR, kinase, anti-cancer, epigenetics, stem cellbiology, etc.
- Up-to-date with **the latest medical molecule** developments and offers access to our exclusive **Drug Repurposing Compound Library**.
- Provides detailed **biological and chemical information** on every compound together with the LC/MS and NMR reports to **ensure high quality**.



We offer **over 300 exclusive compounds worldwide** and track the latest scientific innovations to give our customers access to **the newest small molecules**. We are dedicated to providing high-quality small molecules to our customers around the world.

## Customize Your Library —

You can select compounds, format (powder/liquid), size and plate map depending on your requirements.



### MCE Bioactive Screening Libraries

HY-L001

Bioactive Compound Library

HY-L001P

Bioactive Compound Library Plus

### Clinical and Approved Drugs

HY-L035

Drug Repurposing Compound Library

HY-L035P

Drug Repurposing Compound Library Plus

HY-L066

FDA Approved &amp; Pharmacopeial Drug Library

HY-L022

FDA-Approved Drug Library

HY-L022P

FDA-Approved Drug Library Plus

HY-L022M

FDA-Approved Drug Library Mini

HY-L026

Clinical Compound Library

HY-L026P

Clinical Compound Library Plus

HY-L053

NMPA-Approved Drug Library

### Anti-infection Area

HY-L002 Anti-Infection Compound Library	HY-L027 Anti-Virus Compound Library	HY-L048 Anti-Fungal Compound Library
HY-L049 Anti-Bacterial Compound Library	HY-L052 Anti-COVID-19 Compound Library	

### Cell Death Area

HY-L003 Apoptosis Compound Library	HY-L029 Autophagy Compound Library	HY-L051 Ferroptosis Compound Library
HY-L059 Pyroptosis Compound Library		

### According to Disease Types

HY-L025 Anti-Cancer Compound Library	HY-L031 Small Molecule Immuno-Oncology Compound Library	HY-L046 Anti-Cardiovascular Disease Compound Library
HY-L040 Diabetes Related Compound Library	HY-L034 Anti-Aging Compound Library	HY-L047 Endocrinology Compound Library

### According to Structures

HY-L032 Fragment Library	HY-L033 Peptidomimetic Library	HY-L036 Covalent Screening Library
HY-L041 Macrocyclic Compound Library	HY-L042 Glycoside Compound Library	HY-L043 Lipid Compound Library
HY-L044 Nucleotide Compound Library		

### Natural Products

HY-L021 Natural Product Library	HY-L021P Natural Product Library Plus	HY-L021L Natural Product Like Compound Library
HY-L055 Medicine Food Homology Compound Library	HY-L030 Human Endogenous Metabolite Compound Library	HY-L056 Terpenoids Compound Library
HY-L057 Phenols Compound Library	HY-L065 Chinese Herb Monomer Library	

### According to Signaling Pathway or Protein Family

HY-L037 Antioxidants Compound Library	HY-L050 Ubiquitination Compound Library	HY-L039 Reprogramming Compound Library
HY-L038 Differentiation Inducing Compound Library	HY-L007 Immunology/Inflammation Compound Library	HY-L054 Endoplasmic Reticulum Stress Compound Library
HY-L006 GPCR/G Protein Compound Library	HY-L005 Epigenetics Compound Library	HY-L009 Kinase Inhibitor Library
HY-L045 Oxygen Sensing Compound Library	HY-L015 PI3K/Akt/mTOR Compound Library	HY-L010 MAPK Compound Library
HY-L004 Cell Cycle/DNA Damage Compound Library	HY-L012 Metabolism/Protease Compound Library	HY-L013 Neuronal Signaling Compound Library
HY-L011 Membrane Transporter/Ion Channel Compound Library	HY-L024 Histone Modification Research Compound Library	HY-L016 Protein Tyrosine Kinase Compound Library
HY-L058 Glycolysis Compound Library	HY-L018 TGF-beta/Smad Compound Library	HY-L014 NF-κB Signaling Compound Library
HY-L017 Stem Cell Signaling Compound Library	HY-L062 Neurotransmitter Receptor Compound Library	HY-L064 Glutamine Metabolism Compound Library
HY-L020 Wnt/Hedgehog/Notch Compound Library	HY-L060 Cytoskeletal Signaling Pathway Compound Library	HY-L008 JAK/STAT Compound Library

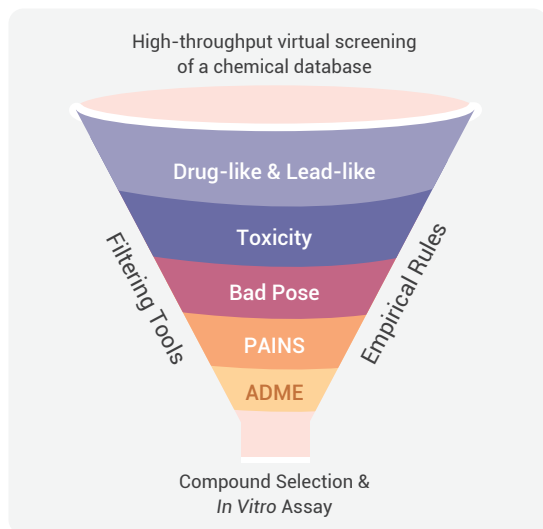
### According to Product Features

HY-L028 CNS-Penetrant Compound Library	HY-L061 Orally Active Compound Library	HY-L063 Chemical Probe Library
HY-L023 Toxins for Antibody-Drug Conjugate Research Library		

### Our Key Partners —



# Virtual Screening



**Virtual Screening** is a computational technique used to search libraries of small molecules in order to identify those structures which are most likely to bind to a drug target. Nowadays, it has become a crucial step in early-stage drug discovery.

- A fast tool for drug design.
- Ligand-based and structure-based virtual screening.
- Super high-performance computer.
- Professional molecular simulation team.
- Competitive price.
- Database containing over **4 million** purchasable compounds.
- Privacy information management system.

Databases and compounds are provided by Enamine, LifeChemicals, Specs and Chempace.

## Common Libraries —

Product Name	Compounds	Information
MCE Bioactive Compound Library HY-L001P	10,000+	A unique collection of 10,000+ bioactive and structurally diverse compounds. Bioactivity and safety confirmed by preclinical research and clinical trials. Some have been approved by FDA.
MCE Fragment Library HY-L032	8,000+	Latest release of Ro3 Fragment Library comprising over 8,000+ high-quality molecules. A useful tool for the fragment-based approach to drug discovery (FBDD).
HTS Compound Library HY-L0051V	2,141,514	Enamine HTS Collection contains 2,141,514 diverse screening compounds. These compounds have unusual structures and unique properties. The collection is particularly recommended for the researchers looking for most diverse screening set.
Advanced Library HY-L0052V	459,417	Enamine Advanced Collection contains 459,417 compounds that have lead-like properties with MW ≤ 350, ClogP ≤ 3, and RotBonds ≤ 7 and/or valuable pharmacophores such as carboxylic, primary amino and amide groups.
Premium Library HY-L0053V	43,408	Enamine Premium Collection contains over 43,408 compounds having most favorable molecular properties (high Fsp3, low logP and MW).
Discovery Diversity Set 10 HY-L0054V	10,560	Enamine Discovery Diversity Sets (DDS) are high-quality compound libraries focused on novel chemotypes and non-trivial structures. They are composed of DDS-10 (10,560 compounds) and DDS-50 (50,240 compounds) sets which do not overlap. Discovery Diversity Set 10 contains 10,560 diverse screening compounds.

## Common Libraries —

Product Name	Compounds	Information
Discovery Diversity Set 50 HY-L0055V	50,240	Enamine Discovery Diversity Sets (DDS) are high-quality compound libraries focused on novel chemotypes and non-trivial structures. They are composed of DDS-10 (10,560 compounds) and DDS-50 (50,240 compounds) sets which do not overlap. Discovery Diversity Set 50 contains 50,240 diverse screening compounds.
Hit Locator Library 300 HY-L0056V	300,115	Enamine Hit Locator Library (HLL) is a sizable highly diverse screening set of 300,115 novel screening compounds.
Life Chemicals 50K Diversity Library HY-L0088V	50,240	Life Chemicals 50K Diversity Library contains 50,240 diverse screening compounds.
Life Chemicals HTS Compound Collection HY-L0087V	465,800	Life Chemicals HTS library is a unique collection of 465,800 diverse screening compounds for the lead identification via high-throughput screening (HTS) and high content screening (HCS).
Specs HTS compounds library HY-L0086V	210,070	Specs HTS library is a unique collection of 210,070 diverse screening compounds for the lead identification via high-throughput screening (HTS) and high content screening (HCS).
Chemspace Lead-Like Compound Library HY-L0091V	981,244	Chemspace Lead-Like Compound Library contains 981,244 in-Stock lead-like compounds with favorable physicochemical profiles and high Quantitative Estimation of Drug-likeness.

## Targeted Libraries —

Cat. No.	Product Name	Compounds	Information
HY-L0072V	Agro-like Library	15,085	Library of compounds intended for use in agro/crop science.
HY-L0073V	Antiviral Library	3,933	Designed for discovery of new Nucleoside-like antivirals
HY-L0074V	Aquaporins Library	1,500	A unique collection of 1,500 bioactive compounds targeting aquaporins.
HY-L0075V	BACE Library	7,171	The library was designed to find molecules which target Beta-secretase (BACE).
HY-L0065V	CNS Library	38,080	Library of novel small molecules with high CNS MPO scores.
HY-L0076V	Covalent Screening Library	14,249	A set of screening compounds bearing “warheads” for covalent target modification.
HY-L0077V	DNA Library	5,530	Designed for identification of new actives against proteins essential for DNA stability.
HY-L0078V	Epigenetics Library	9,353	Library of compounds focusing to hit on a number of epigenetic targets.



Cat. No.	Product Name	Compounds	Information
HY-L0079V	Glycomimetic Library	2,718	Specially synthesized set of compounds able to mimic glycosides and their interaction with proteins.
HY-L0058V	GPCR Library	54,080	Designed for the discovery of new GPCR ligands.
HY-L0059V	Allosteric GPCR Library	14,535	A sub-library of Enamine's GPCR Library designed for the discovery of novel allosteric ligands.
HY-L0060V	Lipid GPCR Library	5,632	A sub-library of Enamine's GPCR Library designed for the discovery of novel lipid GPCR ligands.
HY-L0070V	IDO Targeted Library	5,502	IDO focused library designed by a combination of structure- and ligand-based methods.
HY-L0067V	Immuno-Oncology Library	52,935	Designed for the discovery of novel hits in Immuno-Oncology therapeutic area.
HY-L0064V	Ion Channel Library	36,800	Designed for the discovery of new Ion Channels ligands.
HY-L0071V	JAK/STAT Compound Library	1,390	JAK/STAT Compound Library was designed to be a universal tool to search potential JAK-STAT pathway modulators.
HY-L0061V	Kinase Library	64,000	Designed for the discovery of novel protein kinase inhibitors.
HY-L0062V	Kinase Hinge Binders Library	22,720	Kinase inhibitors targeting ATP binding pocket; designed using ligand-based methods.
HY-L0063V	Allosteric Kinase Library	4,800	Carefully selected molecules via docking and visual evaluation.
HY-L0068V	Kynurenine Pathway Library	12,300	The kynurenine pathway library is composed of 12,300 new potential active compounds for the kynurenine pathway.
HY-L0080V	Lipoxygenase Library	1,388	A set of LOXs inhibitors designed using docking and 2D similarity search.
HY-L0081V	Molecular Chaperones Library	2,451	A set of compounds targeting molecular chaperones; designed by ligand-based methods.
HY-L0082V	Nucleoside Mimetics Library	271	A set of Nucleoside Mimetics.
HY-L0083V	Protein Mimetics Library	8,960	A set of 8,960 compounds targeting alpha-helix and beta-turn domains.
HY-L0066V	Protein-Protein Interaction Library	40,640	Designed for the discovery of novel PPI inhibitors.
HY-L0084V	RNA Library	9,070	Library of compounds capable of binding to RNA.
HY-L0069V	Serine Hydrolase Library	12,040	Library of precisely selected compounds able to form covalent bonds with catalytic serine residue.
HY-L0085V	Tubulin Library	3,454	Library of potential tubulins ligands.

# Dye Reagents

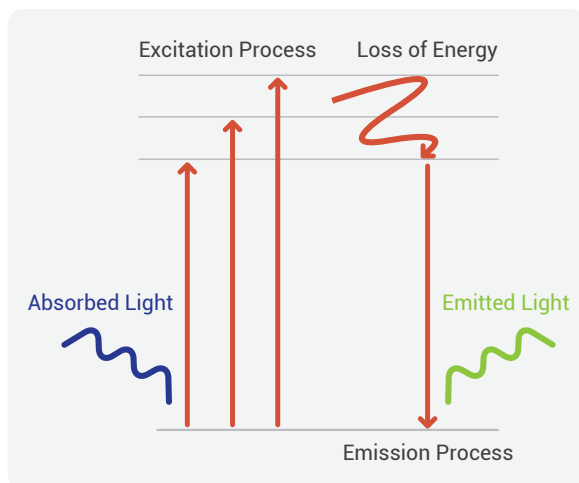
**Dye Reagents** are a class of aromatic hydrocarbons and heterocyclic compounds that can be excited through photoexcitation-fluorescence groups and emit fluorescence.

## Applications:

- Immunofluorescence, fluorescent probes, cell staining, ion indicators;
- Specific DNA staining, for chromosome analysis, cell cycle, apoptosis and other related research;
- Multiple staining makes it possible to assess the topographic relationship of different targets.

## Advantages:

- High sensitivity
- High selectivity
- Cost-effective choice
- Strong technical support



## Cell Structure Dyes

Cat. No.	Product Name	Ex (nm)	Em (nm)	Cat. No.	Product Name	Ex (nm)	Em (nm)
<b>Membrane Probes</b>				HY-15534	JC-1	515/585	529/590
HY-D1028	DiD	644	665	HY-D0720	Lucigenin	368/455	505
HY-D0083	DiI	549	565	HY-D0816	Rhodamine 123	503	527
HY-D0969	DiO	484	501	HY-D0309	Rhodamine 6G	530	575
<b>Fluorescent Cytosolic Tracers</b>				HY-D0985A	TMRE	550	575
HY-D0938	CFSE	485	535	HY-D0984	TMRM	530	592
HY-D0974	Sulforhodamine B	565	586	<b>Nuclear Staining</b>			
<b>Actin-Binding Probes</b>				HY-D0814	DAPI	358	461
HY-K0901	AMCA Phalloidin	353	442	HY-15558	Hoechst 33258	350	461
HY-K0902	Fluorescein Phalloidin	496	516	HY-15559	Hoechst 33342	350	461
HY-K0903	Rhodamine Phalloidin	540	565	HY-15560	Hoechst 34580	392	440
<b>Membrane Potential Probes</b>				HY-D0996	LDS-751	543 (DNA)	712 (DNA)
HY-101891	Di-8-ANEPPS	465	635	HY-101879	Acridine Orange	500 (DNA)	526 (DNA)
HY-101892	DiBAC4(3)	490	516	HY-110250	DFHBI	447	501
HY-D09861	TMA-DPH	355	430	HY-D0971	Pyronin Y	560	580
<b>Mitochondrial Membrane Potential Probes</b>				HY-N0116	Hematoxylin	-	-
HY-D0993	Acridine Orange 10-Nonyl Bromide	489	525	HY-D1020	7-Aminoactinomycin D	546	647
HY-D0084	DiOC6(3)	470	510	HY-D0815	Propidium Iodide	530	625

Cat. No.	Product Name	Ex (nm)	Em (nm)	Cat. No.	Product Name	Ex (nm)	Em (nm)
<b>A<math>\beta</math> Staining</b>				HY-D0218	Thioflavin T	450	482
HY-D0236	Congo Red	-	-	HY-D0972	Thioflavin S	384	429

### Ion Indicators

Cat. No.	Product Name	Ex (nm)	Em (nm)	Cat. No.	Product Name	Ex (nm)	Em (nm)
<b>Ca<sup>2+</sup> Indicators</b>				<b>pH Indicators</b>			
HY-101897	Fura-2 AM	340/380	510	HY-D0012	Bromothymol Blue	-	-
HY-101898	Indo-1 AM	338	400/475	HY-D0169A	Phenol Red sodium salt	-	-
HY-D0716	Fluo-3 AM	506	526	HY-D0211	Phenolphthalein	-	-
HY-101896	Fluo-4 AM	494	516	HY-101883	BCECF-AM	490/440	535
HY-D0989	Rhod-2 AM	540	575	HY-101882	BCECF	490/440	535
<b>Cl<sup>-</sup> Indicators</b>				HY-D0023	HPTS	450/405	Depending
HY-D0090	MQAE	350	460	<b>Zn<sup>2+</sup> Indicator</b>			
HY-D0936	SPQ	344	443	HY-D0982	Zinquin	364	385

### ROS/NO Probes

Cat. No.	Product Name	Ex (nm)	Em (nm)	Cat. No.	Product Name	Ex (nm)	Em (nm)
<b>ROS Probes</b>				HY-D0079	Dihydroethidium	518	606
HY-101893	H <sub>2</sub> FDA	490	514	HY-15925	NBT	-	-
HY-D0940	H <sub>2</sub> DCFDA	488	525	<b>NO Probes</b>			
HY-101859	NucPE1	488	538	HY-D0032	DAF <sub>2</sub> DA	495	515
HY-101894	Dihydrorhodamine 123	488	525	HY-D0717	DAF-FM DA	495	515

### Cell Viability and Cell Death

Cat. No.	Product Name	Ex (nm)	Em (nm)	Cat. No.	Product Name	Ex (nm)	Em (nm)
<b>Cell Viability</b>				HY-100041	Bromobimane	394	490
HY-D0814	DAPI	358	461	HY-P1003	Ac-DEVD-AMC	400	530
HY-15559	Hoechst 33342	350	461	HY-P1005	Ac-DEVD-AFC	400	530
HY-D0041	Calcein-AM	495	515	<b>Cell Proliferation</b>			
HY-D1020	7-Aminoactinomycin D	546	647	HY-15924	MTT	-	-
HY-D0815	Propidium Iodide	530	625	HY-D0831	WST-8	-	-
HY-D0970	Trypan Blue	-	-	HY-D0996	LDS 751	543 (DNA)	712 (DNA)
<b>Apoptosis</b>				<b>Autophagy</b>			
HY-101899	Monochlorobimane	394	490	HY-D1027	Dansylcadaverine	335	518

## Oligonucleotide / Protein Labeling

Cat. No.	Product Name	Ex (nm)	Em (nm)	Cat. No.	Product Name	Ex (nm)	Em (nm)
<b>CY Series</b>				HY-D0029	5(6)-Aminofluorescein	490	520
HY-D0826	Sulfo-Cy2-SE	492	510	HY-15937	5(6)-FAM SE	494	519
HY-D0822	Sulfo-Cy3	555	570	HY-15940	5(6)-FAM	494	519
HY-D0823	Sulfo-Cy3-SE	555	570	HY-15941	5(6)-FITC	494	519
HY-D0818	Sulfo-Cy3-YNE	554	568	HY-D0807	5-IAF	494	521
HY-D0821	Sulfo-Cy5	649	670	HY-66019	FITC	492	515
HY-D0819	Sulfo-Cy5-SE	649	670	HY-D0098	Fluorescein-5-maleimide	494	519
HY-D0832	Sulfo-Cy5-N3	649	670	<b>Rhodamines</b>			
HY-D0820	Sulfo-Cy5-YNE	649	670	HY-D0043	5(6)-ROX	568	591
HY-D0924	Sulfo-Cy5.5	676	695	HY-15944	5(6)-TAMRA	541	565
HY-D0825	Sulfo-Cy7	750	773	HY-D0723	5(6)-TAMRA SE	546	575
HY-D0824	Sulfo-Cy7-SE	750	773	HY-101876	Rhodamine 800	693	>720
<b>Fluoresceins</b>				HY-D0966	Sulforhodamine B acid chloride	568	583

## Fluorescent Enzyme Substrate

Cat. No.	Product Name	Ex (nm)	Em (nm)	Cat. No.	Product Name	Ex (nm)	Em (nm)
<b>CYP450 Substrates</b>				<b>Glycosidase Substrates</b>			
HY-D0055	3-Cyano-7-ethoxycoumarin	360	455	HY-15935	X-Gluc	-	-
HY-D0027	AMC	351	430	HY-D0935A	MUG	362	445
<b>Hydrolase Substrate</b>				HY-15928	4-Nitrophenyl- $\beta$ -D- glucopyranoside	-	-
HY-U00452	PL553	210	410	HY-D1026	CUG	386	445
<b>Peroxidase Substrates</b>				HY-15934	X-GAL	-	-
HY-15930A	TMB dihydrochloride	-	-	<b>Luciferins</b>			
HY-101880	ADHP	530	590	HY-12591B	D-Luciferin potassium salt	-	-
HY-15902	ABTS	-	-	HY-12591	D-Luciferin sodium salt	-	-
<b>Phosphatase Substrates</b>				<b>Coelenterazines</b>			
HY-D0994	MUP	386	448	HY-18743	Coelenterazine	431	468
HY-15909	BCIP	-	-	HY-111382	Diphenylterazine	430	502

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