

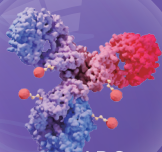
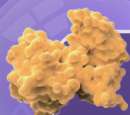


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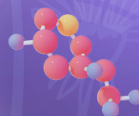


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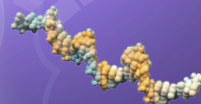
⚡ 01.09.2023 to 31.12.2023



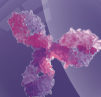
ADC



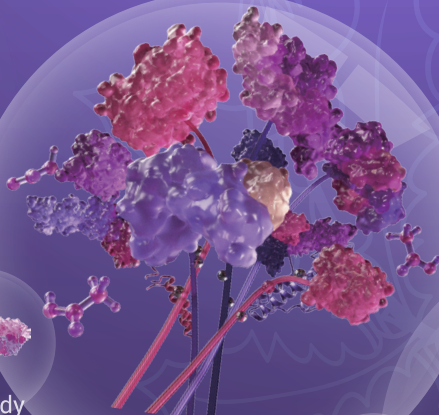
Small Molecule



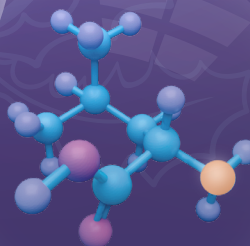
Oligonucleotides



Antibody



Recombinant Protein



Isotope-labeled Compound

15% OFF



PROTAC

Spend **€1,000** and receive **10% off** your order

Spend **€3,000** and receive **15% off** your order

Special Offer Get a free 2024 calendar with every order

Spend more to save more on your current purchase



Quick Delivery

The most competitive price and the shortest delivery time.



High Quality

Strict quality control and verification system.



Flexible Package Sizes

Different packaging specifications to meet different experimental needs.



Professional Service

Provide you with the professional technical support.

Please note

- The promotion is valid from **September 1st, 2023** to **December 31st, 2023**.
- The promotion is valid only on standard catalog items and excludes Screening Libraries and Custom Services.
- This promotion is not valid in conjunction with any other discounts, specials, or promotions.
- No additional coupons or voucher codes may be applied along with this End-of-Year discount.
- The discount listed apply only to one order and cannot be combined across multiple orders to reach a higher discount.

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High Purity Small Molecules

Inhibitors & Agonists

- 60,000+ Specific inhibitors & agonists.
- Targeting 1,000+ key proteins in 20 signaling pathways.
- Widely used in hot research fields of biology, chemistry, medicine and pharmacology.
- High purity, high quality, strict quality control system.
- Biological activity validated by scholars around the globe.
- Constantly introducing new products with the help of a strong R&D team.



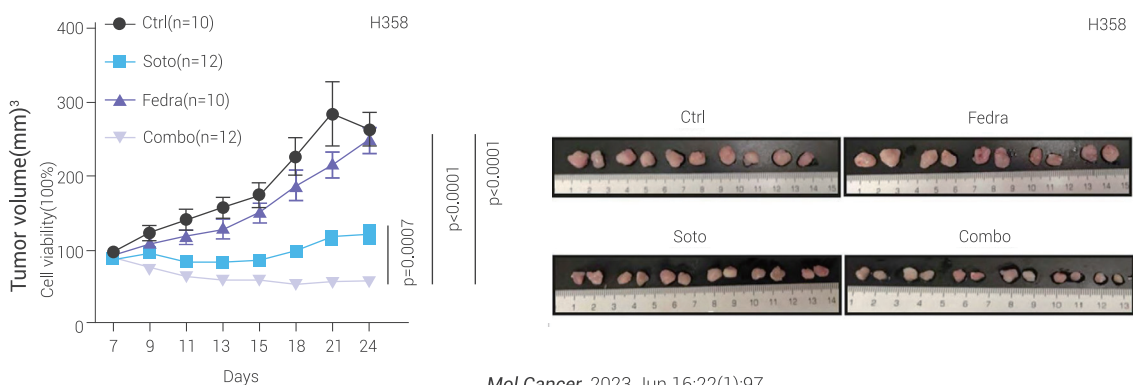
Top Selling Products

Cat. No.	Product Name	Description
HY-100218A	RSL3	GPX4 inhibitor
HY-100579	Ferrostatin-1	Ferroptosis inhibitor
HY-10162	Olaparib	PARP inhibitor
HY-10182	Laduviglusib	GSK-3 α/β inhibitor
HY-10583	Y-27632 (dihydrochloride)	ROCK inhibitor
HY-114153	PLX5622	CSF1R inhibitor
HY-114277	Sotorasib	KRAS G12C inhibitor
HY-13259	MG-132	Proteasome inhibitor
HY-134813	MRTX1133	KRAS G12D inhibitor
HY-134836	STM2457	METTL3 inhibitor
HY-13631A	Exatecan (mesylate)	Topoisomerase I inhibitor
HY-13757A	Tamoxifen	Estrogen receptor inhibitor
HY-138687	Nirmatrelvir	SARS-CoV 3C-like protease inhibitor
HY-15244	Alpelisib	PI3K α inhibitor

Cat. No.	Product Name	Description
HY-15431	Capivasertib	Pan-AKT inhibitor
HY-15531	Venetoclax	Bcl-2 inhibitor
HY-15763	Erastin	Ferroptosis inducer
HY-16658B	Z-VAD-FMK	Pan caspase inhibitor
HY-16749	Pexidartinib	CSF1R inhibitor
HY-50856	Ruxolitinib	JAK1/2 inhibitor

Customer Validation

In a xenograft model derived from H358 cells (KRAS^{G12C}), mice are given **Sotorasib** (Oral gavage; KRAS^{G12C} inhibitor; 10 mg daily) or/and **Fedratinib** (JAK2 inhibitor; 60mg twice daily). Sotorasib reduces tumor volume compared to Fedratinib, and the combination of Sotorasib and Fedratinib also leads to tumor regression.

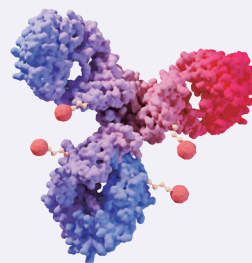


- *Nature.* 2023 Jun;618(7964):394-401.
- *Nature.* 2023 Jun;618(7964):374-382.
- *Nature.* 2023 May;617(7962):818-826.
- *Nature.* 2023 Jun;618(7963):169-179.
- *Cell.* 2023 Apr 27;186(9):1895-1911.e21.
- *Cell.* 2023 May 11;186(10):2176-2192.e22.

- *Cell.* 2023 Jun 22;186(13):2802-2822.e22.
- *Cell.* 2023 Jun 22;186(13):2823-2838.e20.
- *Science.* 2022 Dec 2;378(6623):eabo5503.
- *Science.* 2022 Nov 18;378(6621):eabq7361.
- *Science.* 2023 Jun 9;380(6649):eabo229.
- *Science.* 2022 Jul 8;377(6602):eabg9302.

Antibody-Drug Conjugates (ADCs)

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.



- Cooperation experiment with Abbvie and AstraZeneca.
- Synthesis ability and abundant experiment for complex payloads & linkers.
- One-stop service system for the determination of ADC products, including technical services and analytical items.

Top Selling Products

ADCs		
Cat. No.	Product Name	Description
HY-132254	Sacituzumab govitecan	An anti-Trop-2 ADC
HY-138298A	Trastuzumab deruxtecan	An anti-HER2 ADC
HY-P99107	Brentuximab vedotin	An anti-CD30 ADC

ADC Antibodies (Biosimilar)		
Cat. No.	Product Name	Description
HY-P99045	Sacituzumab	A humanized antibody for Trop-2
HY-P9907	Trastuzumab	A humanized antibody for HER2

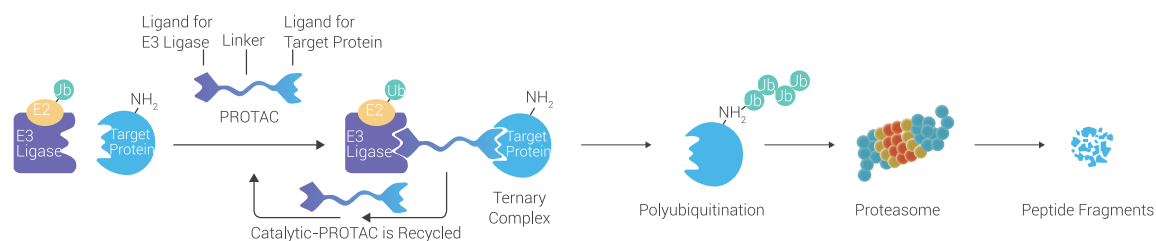
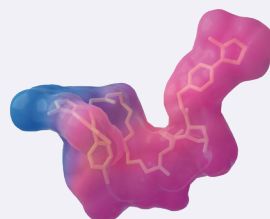
ADC Cytotoxins		
Cat. No.	Product Name	Description
HY-13631A	Exatecan (mesylate)	DNA topoisomerase I inhibitor
HY-19792	Mertansine	Microtubulin inhibitor

ADC Linkers		
Cat. No.	Product Name	Description
HY-20336	Mc-Val-Cit-PABC-PNP	A cathepsin cleavable ADC linker
HY-42973	DBCO-NHS ester	A cleavable ADC linker

Proteolysis Targeting Chimeras (PROTACs)

PROTAC ignores the mechanism of the target protein itself and directly degrades target protein after ubiquitin labeling. Due to its specific mechanism, PROTAC requires only a small amount to be effective, often at the nanomolar level.

- Improve the druggability of "undruggable" targets.
- One-stop services for the design, synthesis, analysis, purification, optimization, detection and evaluation of PROTAC-related products.



🔥 Top Selling Products

PROTACs		
Cat. No.	Product Name	Description
HY-107425	MZ 1	BRD4 PROTAC
HY-138642	Vepdegestrant	Estrogen Receptor PROTAC

Ligands for E3 Ligase		
Cat. No.	Product Name	Description
HY-10984	Pomalidomide	Immunomodulator
HY-A0003	Lenalidomide	Immunomodulator

Ligands for Target Protein for PROTAC		
Cat. No.	Product Name	Description
HY-10997	Ibrutinib	Btk Inhibitor
HY-13001	Quizartinib	FLT3 Tyrosine Kinase Inhibitor

Natural Products

The 8,000+ natural products of MedChemExpress cover almost all major structural categories of these kind of products, which including flavonoids, alkaloids, quinones and many more. They can be used in R&D of new drugs, beauty makeup and skin care industry and food & health products.

- Complex structure and diverse bioactivities.
- Clear source classification (including plants, animals, or microorganisms).
- Detailed and complete structure classification, containing flavonoids, alkaloids, quinones, phenols, terpenoids, steroids, etc.

Top Selling Products

Cancer			
Cat. No.	Product Name	Description	Source
HY-10219	Rapamycin	mTOR inhibitor	Synthesis
HY-19312	3-Methyladenine	PI3K inhibitor	Synthesis
HY-100558	Bafilomycin A1	V-ATPase, Autophagy inhibitor	Microorganism
HY-N0877	Bufalin	Na ⁺ /K ⁺ -ATPase inhibitor	Animal

Inflammation/Immunology			
Cat. No.	Product Name	Description	Source
HY-18739	Phorbol 12-myristate 13-acetate	SphK, PKC activator	Plant
HY-15371	Forskolin	Adenylate cyclase, PXR activator	Plant
HY-B0579	Cyclosporin A	Immunosuppressant	Synthesis

Others			
Cat. No.	Product Name	Description	Source
HY-N0750	Monocrotaline	Inducing pulmonary hypertension model	Plant
HY-10448	Capsaicin	Pain relief, Antioxidant	Plant
HY-101952	Prostaglandin E2	Control of blood pressure	Synthesis

Metabolic Disease

Cat. No.	Product Name	Description	Source
HY-B0445	NAD+	Coenzyme, Hydrogen transfer	Synthesis
HY-B0511	Biotin	Vitamin. Necessary for the metabolism of fats and amino acids.	Synthesis
HY-B2176	ATP	Energy storage and metabolism	Synthesis

Infection

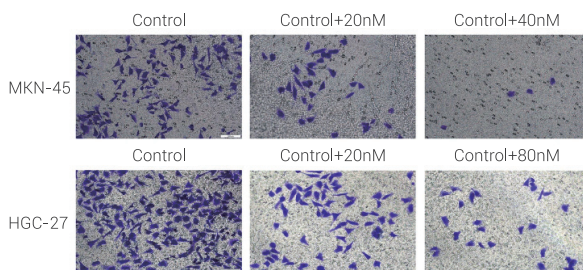
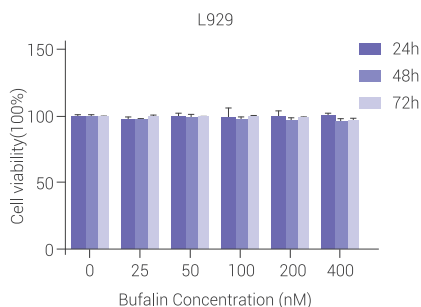
Cat. No.	Product Name	Description	Source
HY-15142	Doxorubicin (hydrochloride)	DNA topoisomerase inhibitor	Plant
HY-13433	Thapsigargin	Inhibiting coronavirus replication, Ca ²⁺ -ATPase inhibitor	Synthesis
HY-13434	Ionomycin	Antibacterial, selective calcium ionophore	Plant

Neurological Disease

Cat. No.	Product Name	Description	Source
HY-B2167	DHA	Maintaining normal brain function	Synthesis
HY-N2309	Kainic acid	Amino acid receptor agonist	Synthesis
HY-B0726	Pilocarpine (hydrochloride)	M3 muscarinic receptor agonist	Synthesis

Customer Validation

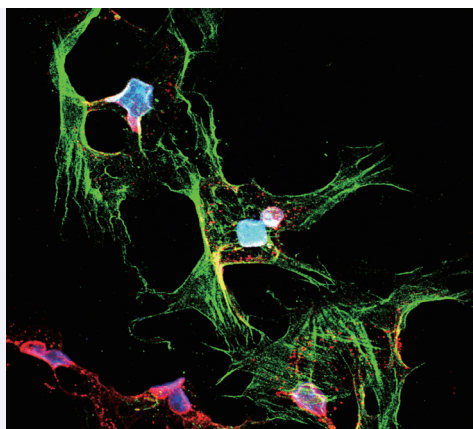
Bufalin significantly inhibited the migration ability of MKN-45 and HGC-27 GC cell lines in a minor concentration ($p < 0.01$). While no significant toxicity to normal cell in the trial.



Dyes/Probes

MedChemExpress offers 1,000+ high quality fluorescent dye probes, covering many popular research fields, with high sensitivity, good stability and high fluorescence intensity to fully meet your experimental needs and escort your experiments.

- Strong Fluorescence Signal
- Multi-Disciplinary Applications
- High Fluorescence Specificity



🔥 Top Selling Products

Organelle Dyes

Cat. No.	Product Name	Description
HY-D0969	DiO	Green
HY-15559A	Hoechst 33342 trihydrochloride	Blue
HY-D1297	ER-Tracker Green	Green
HY-P2270	Phalloidin-TRITC	Orange

Cell Analysis Dyes

Cat. No.	Product Name	Description
HY-15534	JC-1	Green/Red
HY-101896	Fluo-4 AM	Green
HY-D1301	C11 BODIPY 581/591	Green/Red
HY-137805	Ferrozine	Red

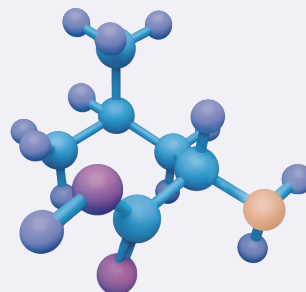
Fluorescent Label Dyes

Cat. No.	Product Name	Description
HY-112498	Cy3 NHS ester	Orange
HY-D0819	CY5-SE	Red
HY-D0824	CY7-SE	Red

Isotope-labeled Compounds

MedChemExpress offers 8,000+ high quality isotope-labeled compounds. These compounds are unique tools for identifying and understanding biological and chemical processes.

- Contain inhibitors, vitamins, amino acids, metabolites, etc.
- Labeled with ^2H (D), ^{13}C , ^{15}N , $^{17}\text{O}/^{18}\text{O}$, etc.
- Quantitative test accuracy can reach PPM level.
- Longer tracing time, not limited by half-life.



Top Selling Products

Isotope-Labeled Inhibitors		
Cat. No.	Product Name	Application
HY-131968	BMS-986202	Qualitative & Quantitative and Tracers research, Pharmacology & Pharmacokinetics, Pathogenic mechanism, etc.
HY-10201S	Sorafenib-d ₃	
HY-78131S	Ibuprofen-d ₃	
HY-19939S	VX-984	
HY-15162A	MMAE-d ₈	

Isotope-Labeled Metabolites		
Cat. No.	Product Name	Application
HY-B0389A	D-Glucose- $^{13}\text{C}_6$	Pharmacology & Pharmacokinetics, Pathogenic mechanism, Metabolomics & Proteomics, etc.
HY-N0390S1	L-Glutamine- $^{13}\text{C}_5$	
HY-N7092S	D-Fructose- $^{13}\text{C}_6$	

Isotope-Labeled Vitamins		
Cat. No.	Product Name	Application
HY-76814	Calcitriol-d ₆	Internal standard, Tracers research, Pathophysiology explorations and Clinical mass spectrometry studies Metabolomics, etc.
HY-A0020S	Eldcalcitol-d ₆	
HY-15331	VD3-d ₆	

🔥 Top Selling Products

Isotope-Labeled Amino Acids

Cat. No.	Product Name	Application
HY-I1124	L-Valine-d ₈	Qualitative & Quantitative and Tracers research, Amino acid metabolism, Metabolomics & Proteomics, etc.
HY-N0215S12	L-Phenylalanine-d ₅	
HY-N0486S1	L-Leucine- ¹³ C	

Isotope-Labeled lipids

Cat. No.	Product Name	Application
HY-N0324S	Cholic acid-d ₄	Internal standard, Tracers research, Metabolomics, etc.
HY-B1788S	Taurocholic acid-d ₄ sodium	
HY-N1446S1	Oleic acid-d ₂	

Isotope-Labeled Nucleic Acids

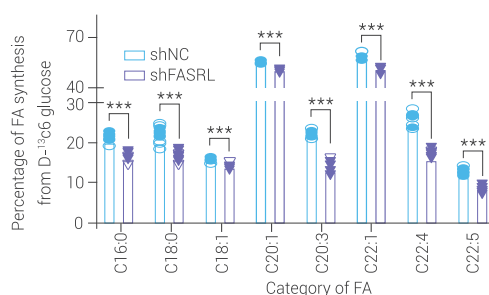
Cat. No.	Product Name	Application
HY-B0617S	S-Adenosyl-L-methionine-d ₃	Internal standard, Tracers research, Pharmacology & Pharmacokinetics, Pathogenic mechanism, etc.
HY-113139S	1-Methylinosine-d ₃	

Isotope-Labeled Synthetic Intermediates

Cat. No.	Product Name	Application
HY-18569S	3-Indoleacetic acid-d ₅	Mechanism of chemical bond cleavage and rearrangement study

📖 Customer Validation

D-glucose-¹³C₆ (HY-B0389A) was used to trace fatty acid (FA) metabolism in HepG2 cells stably transfected with shFASRL and its control shNC and found that after the knockdown of FASRL, newly synthesized FAs labeled with ¹³C were significantly reduced.



Adv. Sci (Weinh). 2022 Oct 28;10(1):e2204711.

High Activity Large Molecules

Recombinant Proteins

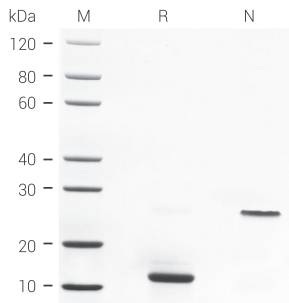
MedChemExpress offers 10,000+ recombinant proteins for a variety of applications, such as regulation of cell growth and differentiation, stimulation of cell signaling, biopharmaceutical target discovery, protein structure and function analysis.

- Superior Biological Activity
- Excellent Lot-to-Lot Consistency
- High Purity
- Specificity Guaranteed



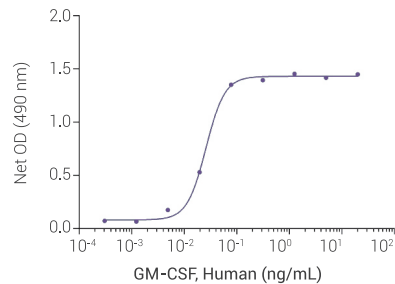
High Purity

The purity of human BMP-2 is greater than 95% as analyzed by SDS-PAGE under reducing (R) and non-reducing (N) condition.



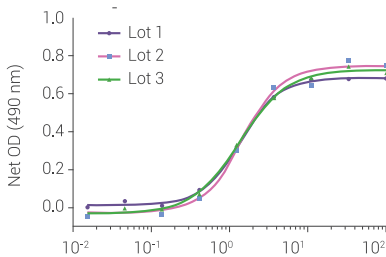
Superior Biological Activity

Human GM-CSF stimulates cell proliferation of TF-1 cells with an ED₅₀ of less than 0.5 ng/mL.



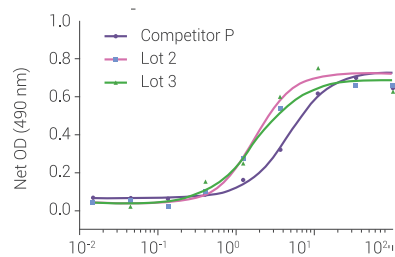
Excellent Lot-to-Lot Consistency

The ED₅₀ of MedChemExpress human VEGF165 from three different Lots are similar.



Activity Comparison

The ED₅₀ of human VEGF165 from MedChemExpress's each Lot is lower than of Competitor P.



 Top Selling Products

Cancer

Cat. No.	Product Name	Cat. No.	Product Name
HY-P70673	Human KGF/FGF-7	HY-P7118	Human TGF beta 1
HY-P7110A	Human VEGF165	HY-P7164	Human Erythropoietin
HY-P7526	Human Apolipoprotein A-I	HY-P7077	Mouse IL-2
HY-P7280	Human PDGF-DD	HY-P7015	Human G-CSF

Organoid

Cat. No.	Product Name	Cat. No.	Product Name
HY-P70453C	Human Wnt3a Surrogate	HY-P7109	Human EGF
HY-P7086	Mouse Noggin	HY-P7114	Human R-spondin-1
HY-P7007	Human BMP-4	HY-P7006	Human/Mouse/Rat BMP-2
HY-P7121	Human HGF	HY-P70311	Human/Mouse/Rat ctivin A

Stem cell

Cat. No.	Product Name	Cat. No.	Product Name
HY-P7014	Human FGF-4	HY-P7028	Human IL-1 beta
HY-P7025	Human IFN-gamma	HY-P7055	Human PDGF-BB
HY-P7085	Mouse M-CSF	HY-P70781	Human SCF
HY-P70445	Human IL-4	HY-P7154	Mouse DKK-1

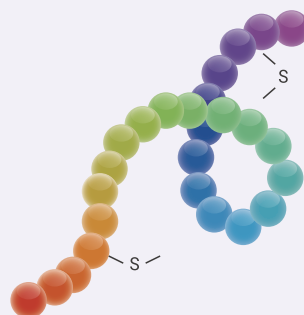
Animal-free

Cat. No.	Product Name	Cat. No.	Product Name
HY-P73052AF	Animal-Free FGF-2	HY-P700018AF	Animal-Free Beta-NGF
HY-P700084AF	Animal-Free GDNF	HY-P700123AF	Animal-Free IL-31
HY-P700161AF	Animal-Free BAFF/TNFSF13B	HY-P700158AF	Animal-Free Human/Mouse BDNF
HY-P700226AF	Animal-Free RANK L/TNFSF11	HY-P700153AF	Animal-Free Human TL1A

Peptides

MedChemExpress offers a comprehensive collection of high quality peptides including tag peptides, therapeutics peptides, cell-penetrating peptides and amino acid derivatives to clients in pharmaceutical and academic institutions all over the world.

- Diverse Functions
- Strict Quality Assurance
- Unlimited Custom Peptide Service



Top Selling Products

Protein Biology

Cat. No.	Product Name	Cat. No.	Product Name
HY-P0223	FLAG peptide	HY-P0319	3X FLAG peptide

Neuroscience

Cat. No.	Product Name	Cat. No.	Product Name
HY-P0128	β -Amyloid (25-35)	HY-P0252	α -MSH

Metabolic Diseases

Cat. No.	Product Name	Cat. No.	Product Name
HY-13948	Angiotensin II human	HY-P0035	Insulin (human)
HY-A0190	Ceruletide	HY-13443	Exendin-4

Cancer and Apoptosis

Cat. No.	Product Name	Cat. No.	Product Name
HY-P0175	740 Y-P	HY-P1001	Ac-DEVD-CHO

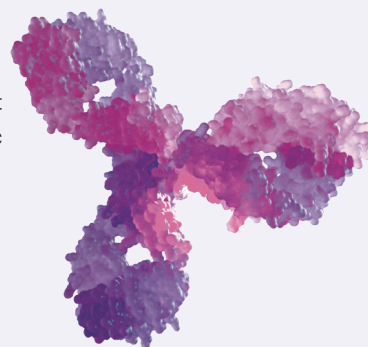
Ion Channel Modulator

Cat. No.	Product Name	Cat. No.	Product Name
HY-P1410	GsMTx4	HY-P3089A	Dendrotoxin K TFA

Antibodies

MedChemExpress offers 1,000+ high-quality antibodies, which play an important role in hot research areas, such as targeted drug development, in vitro diagnostic assays, characterization of signaling pathways, detection of protein expression levels, and identification of candidate biomarkers.

- Signaling Pathways Explorer
- Good Reproducibility & High Sensitivity
- Strong Affinity & Superior Specificity



Top Selling Products

Metabolic Enzyme/Protease

Cat. No.	Product Name	Cat. No.	Product Name
HY-P80425	MMP9 Rabbit mAb	HY-P80380	ATP citrate lyase Rabbit mAb
HY-P80363	Ubiquitin Rabbit mAb	HY-P80422	Lactate Dehydrogenase Rabbit mAb

Apoptosis

Cat. No.	Product Name	Cat. No.	Product Name
HY-P80027	BAX Mouse mAb	HY-P80030	Bcl-XL Rabbit mAb
HY-P80623	Cleaved-Caspase 3 p12 Rabbit mAb	HY-P80565	Bcl2 (1D8) Mouse mAb

Autophagy

Cat. No.	Product Name	Cat. No.	Product Name
HY-P80022	ATG5 Rabbit mAb	HY-P80132	FOXO1A Rabbit mAb
HY-P80135	FOXP3 Rabbit mAb	HY-P80136	GABARAP Rabbit mAb

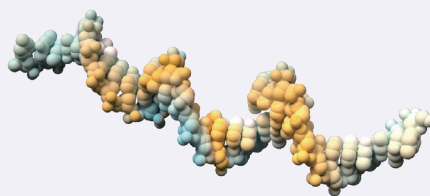
Cell Cycle/DNA Damage

Cat. No.	Product Name	Cat. No.	Product Name
HY-P80611	CDK1 Rabbit mAb	HY-P80100	Cyclin E1 Rabbit mAb
HY-P80098	Cyclin D1 Rabbit mAb	HY-P80077	Cdk4 Rabbit mAb

Oligonucleotides

MedChemExpress offers 18,000+ high quality oligonucleotide related products, including oligonucleotides, various lipids used in drug delivery, nucleosides, nucleotides and their analogs.

- High Purity
- Good Stability
- Powerful Synthesis Ability
- Various Chemical Modifications



Top Selling Products

ASOs

Cat. No.	Product Name	Description
HY-108764	Mipomersen (sodium)	Targets human apoB-100
HY-109528	Fomivirsen (sodium)	Inhibits cytomegalovirus proliferation

Aptamers

Cat. No.	Product Name	Description
HY-147080	Avacincaptad pegol sodium	An anti-C5 RNA aptamer
HY-147081	AS 1411	Targets nucleolin, has anti-tumor activity.

CpG ODNs

Cat. No.	Product Name	Description
HY-146244	Agatolimod	A TLR-9 agonist
HY-146245	ODN 1826	A TLR-9 agonist

miRNAs

Cat. No.	Product Name	Description
HY-R03498	mmu-miR-677-3p mimic	Mimics endogenous miRNAs
HY-RI03498	mmu-miR-677-3p inhibitor	Hybridize with mature miRNAs, inhibits miRNAs function

High Efficiency Life Science Kit

Kits

MedChemExpress offers a broad range of high-quality, cost-effective, ready-to-use assay kits for the convenient and dependable analysis of molecular, protein, and cell biology research.

- 200+ Ready-to-Use kits
- 4,000+ References & 30,000+ IF
- Molecular & Proteins & 3D Cell Culture kits



🔥 Top Selling Products

Cell Culture

Cat. No.	Product Name	Cat. No.	Product Name
HY-K1006	Penicillin-Streptomycin (100×), Sterile	HY-K1012	Serum/Protein-Free Cell Freezing Medium
HY-K1014	PolyFast Transfection Reagent	HY-K2014	PEI Transfection Reagent

3D Cell Culture

Cat. No.	Product Name	Cat. No.	Product Name
HY-K6002	Basement Membrane Matrix	HY-K6004	Basement Membrane Matrix GFR
HY-K6005	Basement Membrane Matrix HC (Phenol Red)	HY-K6007	Basement Membrane Matrix for Organoid Culture

Protein Sample Preparation

Cat. No.	Product Name	Cat. No.	Product Name
HY-K0010	Protease Inhibitor Cocktail	HY-K1001	RIPA Lysis Buffer (Strong)
HY-K0021	Phosphatase Inhibitor Cocktail I	HY-K0030	Deacetylase Inhibitor Cocktail

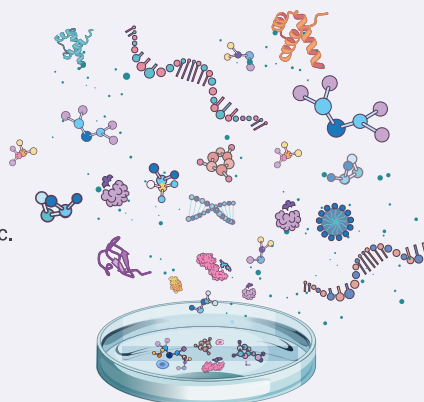
Protein Purification : IP/Co-IP/CHIP/Pull Down/WB

Cat. No.	Product Name	Cat. No.	Product Name
HY-K0201	CDK1 Rabbit mAb	HY-K0208	Streptavidin Magnetic Beads

Biochemical Assay Reagents

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Drug Delivery Reagents

Cat. No.	Product Name	Cat. No.	Product Name
HY-101103	HP- β -CD	HY-131119	DODAB
HY-153229	Firefly luciferase mRNA-LNP	HY-153231	eGFP mRNA-LNP

Co-solvents

Cat. No.	Product Name	Cat. No.	Product Name
HY-Y1891	Tween 80	HY-Y0320	DMSO
HY-Y0873	PEG300	HY-Y1888	Corn oil

Enzyme-related

Cat. No.	Product Name	Cat. No.	Product Name
HY-P2373	Nattokinase	HY-135849	Catalase
HY-D0719	Fluorescein Diacetate	HY-D0714	Tetrazolium Red

Chelators

Cat. No.	Product Name	Cat. No.	Product Name
HY-100168	BAPTA	HY-D0861	EGTA
HY-Y0682	EDTA	HY-W004563	Neocuproine

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