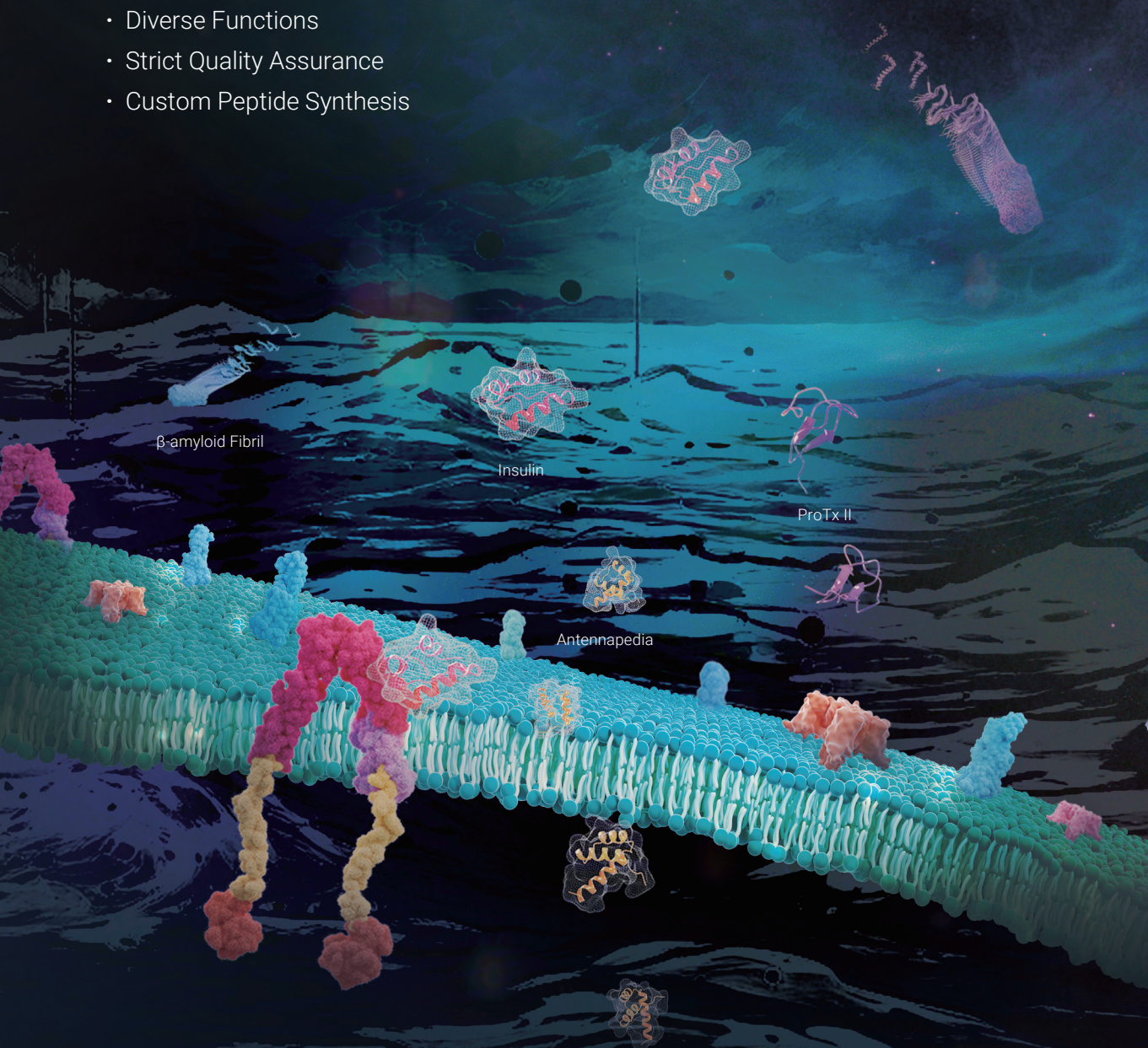


# Peptides

Fill the gap between small molecules  
and protein drug discoveries.

- Diverse Functions
- Strict Quality Assurance
- Custom Peptide Synthesis



## STRENGTHS OF MCE PEPTIDES

Peptides consist of short chains of amino acids that are linked by peptide bonds. They encompass a diverse range of biological functions, including antimicrobial, anti-tumor, anti-oxidation, and immune-regulatory effects.

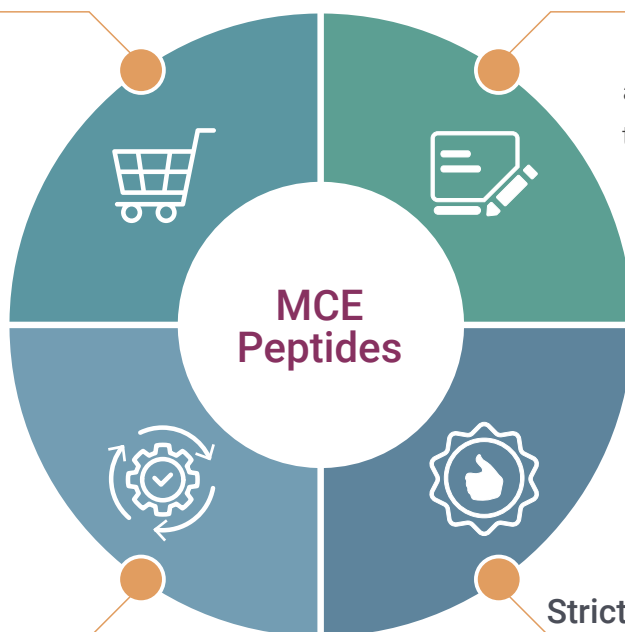
Peptides are widely used in functional analysis, antibody research, vaccine research, and especially the field of drug research and development.

### Comprehensive Collections

MCE offers 6,000+ continuously updated catalog products with diverse functions.

### Custom Peptide Service

Experts from chemistry and biological fields help to customize peptides to align with your research designs.



### High Bioactivities

Most bioactive peptides work at low concentrations and possess high-affinity interactions with endogenous receptors.

### Strict Quality Assurance

MS and HPLC are performed to ensure high quality and purity.

# PEPTIDES

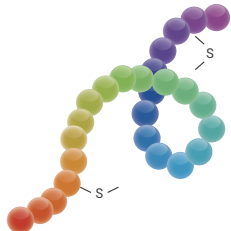
Category	Cat. No.	Product Name	Category	Cat. No.	Product Name
Neuroscience Related Peptides	HY-P0201	Substance P	Diabetes and Metabolic Syndrome Related Peptides	HY-P0035	Insulin (human)
	HY-P0252	$\alpha$ -MSH		HY-13948	Angiotensin II human
	HY-P0198	Neuropeptide Y		HY-A0190	Ceruletide
	HY-P0128	$\beta$ -Amyloid (25-35)		HY-13443	Exentin-4
	HY-P1363	$\beta$ -Amyloid (1-42), human TFA		HY-P1944A	Apelin-13 TFA
	HY-P1061A	Colivelin TFA		HY-P0203A	$\alpha$ -CGRP, rat TFA
Apoptosis and Tumor Related Peptides	HY-P1009	Z-YVAD-FMK	Inflammation and Immunology Related Peptides	HY-B0579	Cyclosporin A
	HY-P1007	Z-VEID-FMK		HY-W019721	Cyclosporin D
	HY-P1001	Ac-DEVD-CHO		HY-P3152	Streptavidin
	HY-P0023	Cyclo (-RGDfK)		HY-P0206	Bradykinin
	HY-P0175	740 Y-P		HY-P0078	TRAP-6
	HY-P0017	Aprotinin		HY-P0286	OVA peptide (323-339)
Anti-infectious Peptides	HY-P0025	NIM811	Peptide Toxins	HY-P1410	GsMTx4
	HY-P1539	Cecropin A		HY-P0256	Apamin
	HY-P0163	Gramicidin		HY-P0246	Mastoparan
	HY-P1222	LL-37		HY-P1280	Margatoxin
	HY-P2460	SMAP-29		HY-P0173B	Chlorotoxin TFA
	HY-P1630	Buforin II		HY-P1902	Cardiotoxin analog (CTX) IV (6-12)
Fluorescent Substrates	HY-P2617A	Ac-WEHD-AFC TFA	Cosmetic Peptides	HY-P0033	Argireline
	HY-P3363	Z-DEVD-AMC		HY-P0095	Acetyl tetrapeptide-5
	HY-P2208	Z-IETD-AFC		HY-P0047	Palmitoyl tripeptide-1
	HY-P0019	Z-Gly-Gly-Arg-AMC		HY-P0063	Copper tripeptide

Category	Cat. No.	Product Name	Category	Cat. No.	Product Name
Tag Peptides	HY-P0223	FLAG peptide	Cell-penetrating Peptides	HY-P0151	SN50
	HY-P0319	3X FLAG peptide		HY-P0122	iRGD peptide
	HY-P0326	S Tag peptide		HY-P1399A	Myr-Pep2m TFA
	HY-P0239	HA peptide		HY-P0084	Cyclic somatostatin
	HY-P0294	Hexa-His		HY-P2529	Penetratin

## CUSTOM PEPTIDE SERVICE

### ● Standard Peptide Synthesis:

Flexible Quantities and Purities

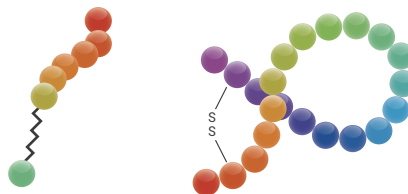


### ● Peptide Libraries:

Fast, Precise and Novel

### ● Peptide Modifications:

Phosphorylation, Methylation, Acetylation, and Amidation, etc.



### ● Recombinant Technologies:

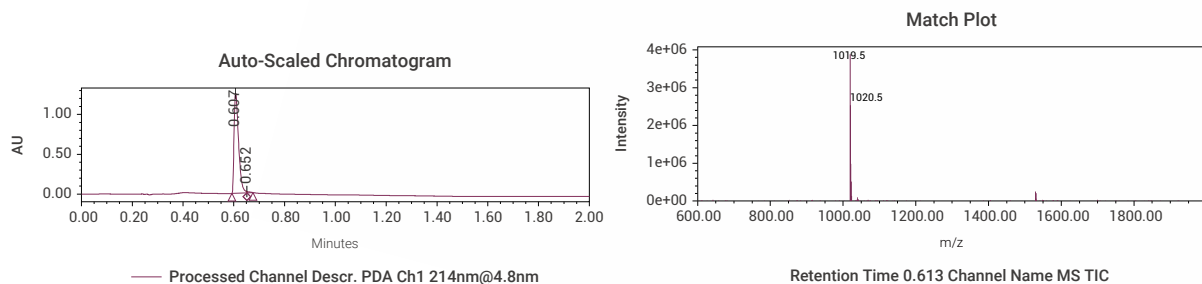
More Options for Length, Sequence and Size

Flexible Quantities	From mg to kg.
Purity Levels	Crude, desalted, 70% to 98% purity.
Synthetic Technologies	Combination of solid phase and liquid phase synthesis, and microwave and ligation technologies.
Peptide Modifications	More than 300 modifications ranging from phosphorylation, methylation, acetylation, and amidation to stable isotope labeling and conjugations.
Guaranteed Quality	MS and HPLC analyses performed after the completion of synthesis, purification, and QC steps.
Technical Support	MedChemExpress technical account managers and online resources provide the best service during the entire research cycle.

# PHYSICAL-CHEMICAL TESTING

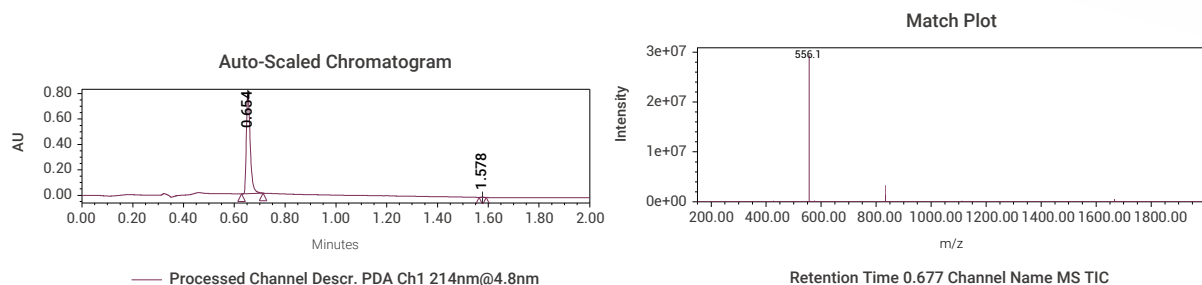
## Octreotide HY-P0036

The purity of octreotide (HY-P0036) is greater than 99% and its structural integrity is verified by MS analysis.



## $\alpha$ -MSH HY-P0252

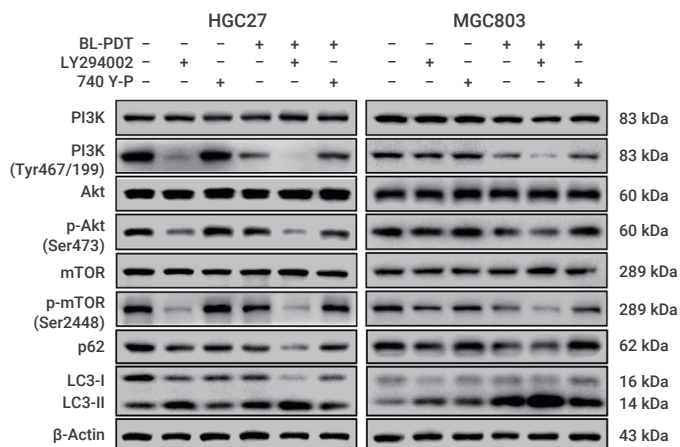
The purity of  $\alpha$ -MSH (HY-P0252) is greater than 99% and its structural integrity is verified by MS analysis.



# CUSTOMER VALIDATION

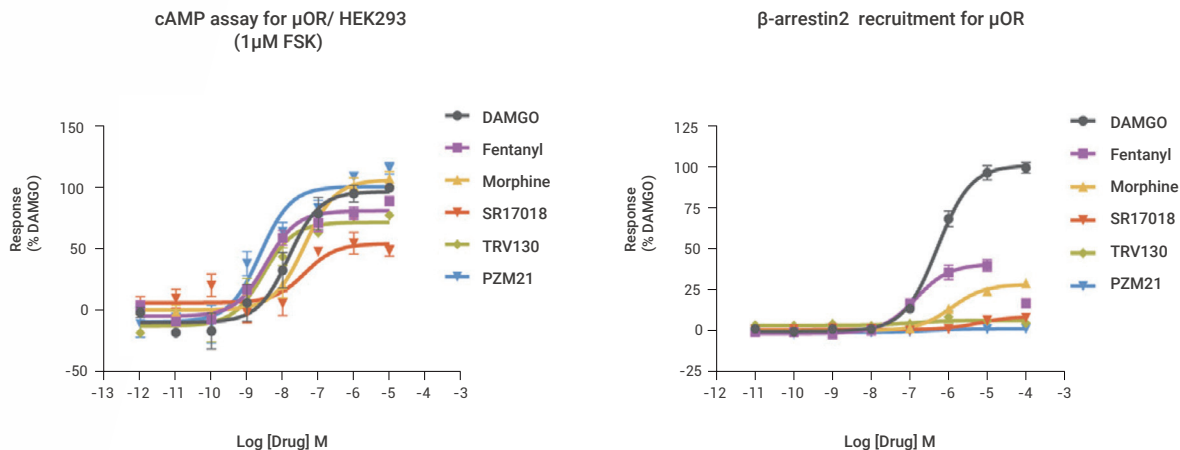
## 740 Y-P HY-P0175

PI3K activator 740 Y-P rescued the inhibition of PI3K by BL-PDT and LY294002.



## DAMGO TFA HY-P0210B

Activation of the  $\mu$ OR by DAMGO was dose-dependent. The responses shown below were induced cAMP accumulations (left) and  $\beta$ -arrestin2 recruitments (right) for the  $\mu$ OR.



Cell. 2022 Nov 10;185(23):4361-4375.e19.

## PUBLICATIONS CITING USE OF MCE PEPTIDES

Nature. 2022 Apr;604(7906):541-545.

Nature. 2023 Jan;613(7942):145-152.

Nature. 2021 Mar;591(7851):620-626.

Cell. 2023 Jan 19;186(2):413-427.e17.

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Cell Discov. 2022 Jun 28;8(1):60.

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Cell Host Microbe. 2022 Oct 12;30(10):1450-1463.e8.

J Hepatol. 2022 Nov 9;S0168-8278(22)03285-8.

Nat Biomed Eng. 2023 Mar;7(3):281-297.

Cell Mol Immunol. 2022 Jan 25;1-17.

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