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2001

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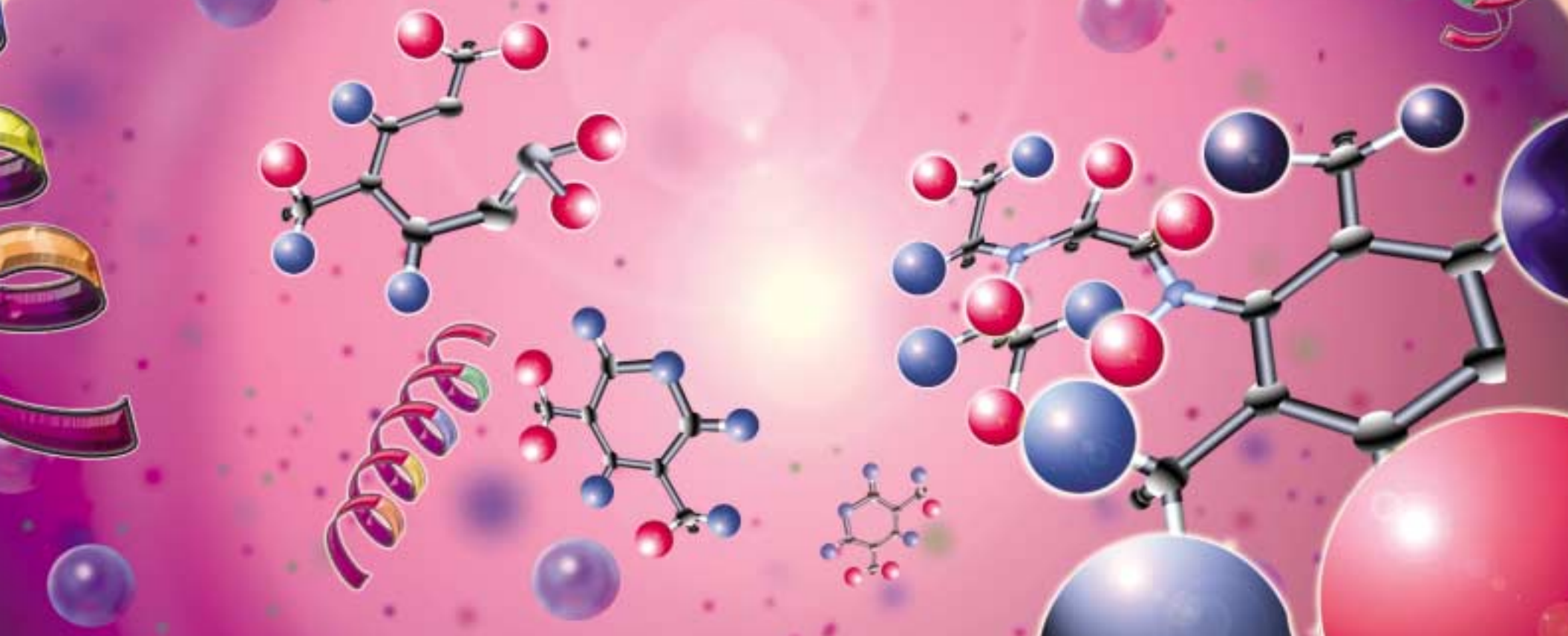
Activators • Bioactive Peptides • Inhibitors • Substrates • Toxins and more!



Proteins, Peptides, and Amino Acids

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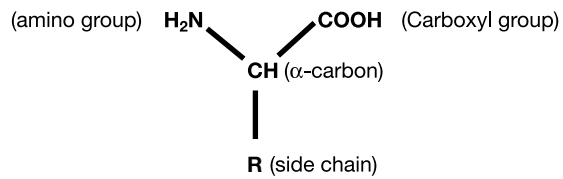
The Chemical Nature of Amino Acids

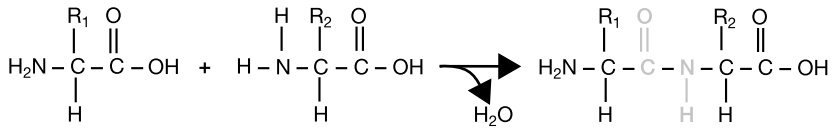
Peptides and polypeptides are polymers of α-amino acids. There are 20 α-amino acids that make-up all proteins of biological interest. The α-amino acids in peptides and proteins consist of a carboxylic acid (-COOH) and an amino (-NH_2) functional group attached to the same tetrahedral carbon atom. This carbon is known as the α-carbon. The type of R-group attached to this carbon distinguishes one amino acid from another. Several other amino acids, also found in the body, may not be associated with peptides or proteins. These non-protein-associated amino acids perform specialized functions. Some of the α-amino acids found in proteins are also involved in other functions in the body. For example, tyrosine is involved in the formation of thyroid hormones, and glutamate and aspartate act as neurotransmitters at fast junctions.



Amino acids exist in either D- or L- enantiomorphs or stereoisomers. The D- and L-refer to the absolute confirmation of optically active compounds. With the exception of glycine, all other amino acids are mirror images that can not be superimposed. Most of the amino acids found in nature are of the L-type. Hence, eukaryotic proteins are always composed of L-amino acids although D-amino acids are found in bacterial cell walls and in some peptide antibiotics.

All biological reactions occur in an aqueous phase. Hence, it is important to know how the R-group of any given amino acid dictates the structure-function relationships of peptides and proteins in solution. The hydrophobic amino acids are generally located in the interior of proteins shielded from direct contact with water. Conversely, the hydrophilic amino acids are found on the exterior of proteins as well as in the active centers of enzymatically active proteins. It is the very nature of certain amino acid R-groups that allow enzyme reactions to take place. For example, histidine with an imidazole ring is found in the active site of several enzymes. This is due to the fact that the imidazole ring allows it to act as either a proton donor or acceptor at physiological pH. Equally significant is the ability of histidines in hemoglobin to buffer the H^+ ions (from carbonic acid ionization) in red blood cells. This property of hemoglobin facilitates the exchange of O_2 and CO_2 in tissues and lungs.

Formation of peptide bonds between amino acids leads to the polymerization of amino acids into peptides and proteins. The simplest peptide is a dipeptide that contains a single peptide bond formed by the condensation of the carboxyl group of one amino acid with the amino group of the second. In this process, a molecule of water is eliminated.



Another point of great biological interest is that the thiol (-SH) group of cysteine allows it to act as a nucleophile during enzymatic catalysis. Also, the thiol of cysteine is able to form a disulfide bond with other cysteines:

Cysteine-SH + HS-Cysteine ⟷ Cysteine-S-S-Cysteine

This simple disulfide is identified as cystine. The formation of disulfide bonds between cysteines in proteins is also important in the formation of active structural domains in proteins. Sometimes disulfide bonds are formed between cysteines of different polypeptide chains of oligomeric proteins, for example, the insulin receptor as well as the bridging between the A and the B chains of insulin.

Amino Acid and Peptide Nomenclature System

The symbol chosen for a given amino acid is derived from its trivial name, and is usually the first three letters of this name. It is always written as one capital letter followed by two lower-case letters, e.g. Gln (not GLN or gln), regardless of its position in a sentence or structure. When the symbol is used for a purpose other than representing an amino-acid residue, e.g., to designate a genetic factor, three lower-case italic letters may be used, e.g. *gln.*

Sometimes there are difficulties in using the three-letter system, particularly when the amino acid sequence of a protein is long. Hence, for convenience, a single letter code has been designated, which is helpful in summarizing large amounts of data and for aligning and comparing homologous sequences. Single letter codes are also used to label residues in three-dimensional pictures of protein molecules. However, this system is less easily understood than the three-letter system.

In naming peptides, the names of acyl groups ending in 'yl' are used. Hence, if glycine and alanine were to condense so that glycine acylates alanine, the dipeptide formed is named glycylalanine. If they condense in the reverse order, the product is named alanylglycine. The name of the peptide begins with the name of the acyl group representing the N-terminal residue, and this is followed in order by the names of the acyl groups representing the internal residues. Only the C-terminal residue is represented by the name of the amino acid, and this ends the name of the peptide. Higher oligopeptides and polypeptides of biological origin often have trivial names; their sequences are usually described more conveniently by symbols rather than by constructing lengthy names.

In biological systems, a variation of the common peptide is often used, usually to induce higher or lower activity. In such a case, the replacement amino acid is designated by its residue name and the position of substitution is indicated. For example, in Human Angiotensin II (Asp-Arg-Val-Tyr-Ile-His-Pro-Phe) if the isoleucine in the fifth position is replaced by a valine residue then the nomenclature becomes [Val^5]-Angiotensin II. Sometimes the amino acid residue is replaced by its enantiomer. For example, in Human Angiotensin II, Asp may be replaced by D-Asp, then the peptide sequence is written as D-Asp-Arg-Val-Tyr-Ile-His-Pro-Phe.

It is common in biological systems to specify the species from which the peptide sequence is derived. Here the specification of the sequence requires the name of the species as well as the peptide. For example, the neuropeptide Y derived from human is written as Neuropeptide Y, Human and that from pig is written as Neuropeptide Y, Porcine. These peptides may be synthetic or purified from biological systems.

Proteins

Proteins are the fundamental building blocks of all life. The human body contains about 100,000 different proteins. Proteins are of variable length and structure and are composed of polymers of 20 different amino acids, which fold upon themselves to generate a shape that is characteristic of each protein. The sequence of the 20 different amino acids determines the function and properties of different proteins. This sequence is based on the genetic information contained in the DNA. Many proteins are encoded on each piece of DNA, hence it is important for biologists to determine where the code for a protein begins and ends. However, the problem is complicated because the human genome contains much more DNA than is required to encode proteins.As mentioned previously, the structure of a protein is produced by the folding of a peptide chain back on itself, and in some cases, the association of multiple peptide chains. This folding occurs due to the rotation of bonds within the amino acids as well as at bonds that join different amino acids. To help understand the structural complexities of proteins, scientists have described them as primary (referring just to the sequence of amino acids in the protein); secondary (such as helical, and sheet-like structures; beta sheets); tertiary (consisting of super secondary structures); and the quarternary (multiple folded polypeptide chains) structures. The development of a tertiary structure transforms a linear amino acid sequence into a three-dimensional structure. Most proteins lose their functional capability if the structure is disrupted by heat, acid treatment, or by mechanical stress.

Some proteins are modified after their synthesis. Normally, cells use this process to activate the original protein. Activation can be achieved by (a) cleavage of the terminal region, (b) by chemical modification of a single amino acid, for example by changing proline into hydroxyproline, (c) by acetylation or phosphorylation, or (d) association with coenzymes.

Peptide and Peptide Mimetic Drugs

Peptides control numerous biochemical reactions in the body and may represent an untapped source of new drugs for treating a variety of diseases. During the past decade a variety of peptide drugs have been developed. However, their use is hindered by their relatively short half-life *in vivo*. Peptides do not have exhibit good oral bioavailability and have poor pharmacokinetics. They are subject to rapid hydrolysis by amino- and carboxy-peptidases. However, this difficulty can be overcome by either placing conformational constraint on the peptide sequence or by incorporating D-amino acid analogs into the sequence. Conformational constraints limit the peptide from assuming any flexible state and hence reduces the probability of peptide hydrolysis. One example of this could be introduction of disulfide bridges. The introduction of D-amino acid analogs to inhibit enzymatic degradation is an easy procedure; however, it creates the potential problem of altering the desired recognition of the peptide.

Another approach to the synthesis of stable peptide-based drugs is to design and develop "peptide mimetics," which can overcome the ineffectiveness of peptides as drugs when administered orally. The use of small-molecule combinatorial libraries has already demonstrated a remarkable impact on drug discovery. Significant knowledge has been gained in the synthesis, function, structure-activity relationships, and conformation of biologically active peptides. The approach relies on translating peptides to peptidomimetic compounds followed by a study of their interactions with proteins. Peptidomimetics are often more stable than peptides and exhibit longer biological half-lives. However, it is important that any modification does not decrease the affinity or the efficacy of the "new" drug, and it should not cause any serious side effects. Also, peptidomimetics should mimic the natural peptides as closely as possible.

Another approach to increase peptide stability is to replace the amide bond, which not only enhances stability but also reduces their hydrophilicity. In certain cases, replacing the amide by sulphonamides may increase their affinity to enzymes. Placing an amino acid side chain on the nitrogen atom (peptoid) can also enhance the stability of peptides.

Peptides as Toxins

Venoms and toxins have been known for centuries. They are produced by bacteria, fungi, algae, plants, and marine organisms. Their use in research has significantly enhanced our knowledge of neuropharmacology. Toxins have also been used therapeutically and as the starting material in the design of new therapeutic agents. These toxins usually consist of a polypeptide chain with molecular weights ranging from a few hundred to several thousand. Some of the natural toxins may also be low-molecular weight organic compounds. Recent progress in biotechnology has enabled scientists to synthesize toxins in large quantities in the laboratory. Most toxins are unstable in alkaline solutions and can be easily destroyed by normal decontamination methods. A detailed description of all peptide toxins is beyond the scope of this summary. However, we have included a few selected examples to highlight their importance in biological and clinical research.

Botulinum toxin, produced by *Clostridium botulinum*, is one of the most toxic substances known to mankind. It acts by blocking the release of acetylcholine at neuromuscular junctions. It is a major cause of food poisoning and without proper medical attention it can lead to respiratory paralysis and death within a few hours. The lethal dose is determined to be about one microgram in humans. However, more recently, lower concentrations have been used in the treatment of muscular disorders such as localized muscle spasms.

Snake venoms also contain several peptide toxins. A common example is dendrotoxin from the venom of mamba (*Dendroaspis*) snakes. Dendrotoxins contain about 57-60 amino acid residues in a single polypeptide chain that is cross-linked by three Cys-Cys bonds. Dendrotoxins can selectively block some neuronal K^+ channels that help control the excitability of nerve cells and regulate the release of neurotransmitters. This property may have important therapeutic value in enhancing the activity of damaged nerve cells. Conversely, activators of K^+ channels may be helpful in reducing the abnormal electrical activity in the brain and may form the basis for anti-convulsion or anti-epileptic therapies.

Scorpions are another important source of peptide toxins that act on Na^+ or K^+ channels. The K^+ channel blocking toxins include charybdotoxin, kaliotoxin, and noxiustoxin, which are important experimental tools in neuropharmacology research. Toxins isolated from marine snails of the *Conus* species have been known to selectively block different subtypes of Ca^{2+} channels. Some of these blockers have found a use in limiting the release of excitatory neurotransmitters in the brain following stroke. For example, the ω-Conotoxin MVIIA from *Conus magus* has been used as a neuroprotective agent in rat models of stroke.

As you browse through this brochure and CALBIOCHEM®'s catalogs, you will discover a vast selection of peptide-based and non-peptide toxins of biological interest. On the following pages, you will obtain a glimpse of our peptide-based substrates, activators, inhibitors, toxins, and blocking agents for your research needs. We welcome your comments and suggestions on our product selection and publications.

α-AMINO ACIDS	3-LETTER CODE	1-LETTER CODE	MOLECULAR WEIGHT	pI VALUE	EMPIRICAL FORMULA
Alanine	Ala	A	89.09	6.00	$C_3H_7NO_2$
Arginine	Arg	R	174.20	11.15	$C_6H_{14}N_4O_2$
Asparagine	Asn	N	132.12	5.41	$C_4H_8N_2O_3$
Aspartic Acid	Asp	D	133.10	2.77	$C_4H_7NO_4$
Cysteine	Cys	C	121.15	5.02	$C_3H_7NO_2S$
Glutamine	Gln	Q	146.15	5.65	$C_5H_{10}N_2O_3$
Glutamic Acid	Glu	E	147.13	3.22	$C_5H_9NO_4$
Glycine	Gly	G	75.07	5.97	$C_2H_5NO_2$
Histidine	His	H	155.16	7.47	$C_6H_9N_3O_2$
Isoleucine	Ile	I	131.18	5.94	$C_6H_{13}NO_2$
Leucine	Leu	L	131.18	5.98	$C_6H_{13}NO_2$
Lysine	Lys	K	146.19	9.59	$C_6H_{14}N_2O_2$
Methionine	Met	M	149.21	5.74	$C_5H_{11}NO_2S$
Phenylalanine	Phe	F	165.19	5.48	$C_9H_{11}NO_2$
Proline	Pro	P	115.13	6.30	$C_5H_9NO_2$
Serine	Ser	S	105.09	5.68	$C_5H_7NO_3$
Threonine	Thr	T	119.12	5.64	$C_4H_9NO_3$
Tryptophan	Trp	W	204.23	5.89	$C_{11}H_{12}N_2O_2$
Tyrosine	Tyr	Y	181.19	5.66	$C_9H_{11}NO_3$
Valine	Val	V	117.15	5.96	$C_5H_{11}NO_2$

OTHER AMINO ACIDS	3-LETTER CODE	1-LETTER CODE	MOLECULAR WEIGHT	pI VALUE	EMPIRICAL FORMULA
γ-Carboxyglutamic Acid	Gla	—	191.14	—	$C_6H_9NO_6$
Cystine	$(Cys)_2$	—	240.30	—	$C_6H_{12}N_2O_4S_2$
Hydroxyproline	Hyp	—	131.13	—	$C_5H_9NO_3$
t-Leucine	Tle	—	131.18	—	$C_6H_{13}NO_2$
Norleucine	Nle	—	131.18	—	$C_6H_{13}NO_2$
Norvaline	Nva	—	117.15	—	$C_5H_{11}NO_2$
Ornithine	Orn	O	132.16	—	$C_5H_{12}N_2O_2$
Pyroglutamic Acid	pGlu, Pyr, <Glu	—	129.12	—	$C_5H_7NO_3$
Statine	Sta	—	175.23	—	$C_8H_{17}NO_3$

PRODUCT	CAT. NO.	PEPTIDE SEQUENCE	FUNCTIONAL CATEGORY	SIZE	PRICE
N-Acetylmuramyl-L-alanyl-D-isoglutamine	110125	N-Acetylmuramyl-L-Ala-D-isoGln	Adjuvants	1 mg	
Acetyl-Pepstatin	110175	Ac-Val-Val-(3S,4S)-Sta-Ala-(3S,4S)-Sta-OH (Sta = statine)	Protease Inhibitor	1 mg	
Adrenocorticotropic Hormone 1-24, Human	05-23-0753	H-Ser-Tyr-Ser-Met-Glu-His-Phe-Arg-Trp-Gly-Lys-Pro-Val-Gly-Lys-Lys-Arg-Arg-Pro-Val-Lys-Val-Tyr-Pro-OH	Hormone	500 µg 1 mg	
Adrenocorticotropic Hormone 1-39, Human	05-23-0574	H-Ser-Tyr-Ser-Met-Glu-His-Phe-Arg-Trp-Gly-Lys-Pro-Val-Gly-Lys-Lys-Arg-Arg-Pro-Val-Lys-Val-Tyr-Pro-Asn-Gly-Ala-Glu-Asp-Glu-Ser-Ala-Glu-Ala-Phe-Pro-Leu-Glu-Phe-OH	Hormone	500 µg 1 mg	
Adrenomedullin 11-50, Rat	121706	H-Ser-Thr-Gly-Cys-Arg-Phe-Gly-Thr-Cys-Thr-Met-Gln-Lys-Leu-Ala-His-Gln-Ile-Tyr-Gln-Phe-Thr-Asp-Lys-Asp-Lys-Asp-Gly-Met-Ala-Pro-Arg-Asn-Lys-Ile-Ser-Pro-Gln-Gly-Tyr-NH_2	Hormone	100 µg	
Adrenomedullin 1-50, Rat	121703	H-Tyr-Arg-Gln-Ser-Met-Asn-Gln-Gly-Ser-Arg-Ser-Thr-Gly-Cys-Arg-Phe-Gly-Thr-Cys-Thr-Met-Gln-Lys-Leu-Ala-His-Gln-Ile-Tyr-Gln-Phe-Thr-Asp-Lys-Asp-Lys-Asp-Gly-Met-Ala-Pro-Arg-Asn-Lys-Ile-Ser-Pro-Gln-Gly-Tyr-NH_2	Hormone	100 µg	
Adrenomedullin 1-52, Human	121700	H-Tyr-Arg-Gln-Ser-Met-Asn-Asn-Phe-Gln-Gly-Leu-Arg-Ser-Phe-Gly-Cys-Arg-Phe-Gly-Thr-Cys-Thr-Val-Gln-Lys-Leu-Ala-His-Gln-Ile-Tyr-Gln-Phe-Thr-Asp-Lys-Asp-Lys-Asp-Asn-Val-Ala-Pro-Arg-Ser-Lys-Ile-Ser-Pro-Gln-Gly-Tyr-NH_2	Hormone	100 µg	
ω-Agatoxin IVA, *Agelenopsis aperta*	121975	H-Lys-Lys-Lys-Cys^4-Ile-Ala-Lys-Asp-Tyr-Gly-Arg-Cys^{12}-Lys-Trp-Gly-Gly-Thr-Pro-Cys^{19}-Cys^{20}-Arg-Gly-Arg-Gly-Cys^{25}-Ile-Cys^{27}-Ser-Ile-Met-Gly-Thr-Asn-Cys^{34}-Glu-Cys^{36}-Lys-Pro-Arg-Leu-Ile-Met-Glu-Gly-Leu-Gly-Leu-Ala-OH (disulfide bonds: 4 → 20; 12 →25; 19 →36; 27 → 34)	Calcium Channel Blocker	5 µg	
ω-Agatoxin TK, *Agelenopsis aperta*	122302	H-Glu-Asp-Asn-Cys^4-Ile-Ala-Glu-Asp-Tyr-Gly-Lys-Cys^{12}-Thr-Trp-Gly-Gly-Thr-Lys-Cys^{19}-Cys20-Arg-Gly-Arg-Pro-Cys^{25}-Arg-Cys^{27}-Ser-Met-Ile-Gly-Thr-Asn-Cys^{34}-Glu-Cys^{36}-Thr-Pro-Arg-Leu-Ile-Met-Glu-Gly-Leu-Ser-Phe-Ala-OH (disulfide bonds: 4 → 20; 12 → 25; 19 → 36; 27 → 34)	Calcium Channel Blocker	5 µg	
Agitoxin-2, *Leiurus quinquestriatus hebraeus*	123000	H-Gly-Val-Pro-Ile-Asn-Val-Ser-Cys-Thr-Gly-Ser-Pro-Gln-Cys-Ile-Lys-Pro-Cys-Lys-Asp-Ala-Gly-Met-Arg-Phe-Gly-Lys-Cys-Met-Asn-Arg-Lys-Cys-His-Cys-Thr-Pro-Lys-OH	Potassium Channel Blocker	5 µg	
Agitoxin-2, Recombinant, *E. coli*	123002	H-Gly-Val-Pro-Ile-Asn-Val-Ser-Cys-Thr-Gly-Ser-Pro-Gln-Cys-Ile-Lys-Pro-Cys-Lys-Asp-Ala-Gly-Met-Arg-Phe-Gly-Lys-Cys-Met-Asn-Arg-Lys-Cys-His-Cys-Thr-Pro-Lys-OH	Potassium Channel Blocker	10 µg	
AKTide-2T	123900	H-Ala-Arg-Lys-Arg-Glu-Arg-Thr-Tyr-Ser-Phe-Gly-His-His-Ala-OH	Protein Kinase Substrate	1 mg	
AKTide-SA	123905	H-Ala-Arg-Lys-Arg-Glu-Arg-Ala-Tyr-Ala-Phe-Gly-His-His-Ala-OH	Negative Control	1 mg	
ALLM	208721	N-Acetyl-Leu-Leu-Met-CHO	Calpain Inhibitor	25 mg	
ALLN	208719	N-Acetyl-Leu-Leu-Nle-CHO	Calpain Inhibitor	5 mg 25 mg	
Amastatin, *Streptomyces* sp.	129875	(2S,3R)-3-Amino-2-hydroxy-5-methylhexanoyl-Val-Val-Asp-OH	Aminopeptidase Inhibitor	1 mg	
Aminopeptidase Substrate I, Fluorogenic	164600	H-Leu-AMC, HCl	Aminopeptidase Substrate	25 mg	
Aminopeptidase Substrate II, Fluorogenic	164601	H-Ala-Ala-Phe-AMC, HCl	Aminopeptidase Substrate	25 mg	
β-Amyloid Ligand	171585	Ac-Gln-Lys-Leu-Val-Phe-Phe-NH_2	β-Amyloid Peptide	1 mg	
β-Amyloid Peptide 1-40, Human	171590	H-Asp-Ala-Glu-Phe-Arg-His-Asp-Ser-Gly-Tyr-Gln-Val-His-His-Gln-Lys-Leu-Val-Phe-Phe-Ala-Glu-Asp-Val-Gly-Ser-Asn-Lys-Gly-Ala-Ile-Ile-Gly-Leu-Met-Val-Gly-Gly-Val-Val-OH	β-Amyloid Peptide	250 µg	

PRODUCT	CAT. NO.	PEPTIDE SEQUENCE	FUNCTIONAL CATEGORY	SIZE	PRICE
β-Amyloid Peptide 1-40, Rat	171593	H-Asp-Ala-Glu-Phe-Gly-His-Asp-Ser-Gly-Phe-Glu-Val-Arg-His-Gln-Lys-Leu-Val-Phe-Phe-Ala-Glu-Asp-Val-Gly-Ser-Asn-Lys-Gly-Ala-Ile-Ile-Gly-Leu-Met-Val-Gly-Gly-Val-Val-OH	β-Amyloid Peptide	250 µg	
β-Amyloid Peptide 1-42, Rat	171596	H-Asp-Ala-Glu-Phe-Gly-His-Asp-Ser-Gly-Phe-Glu-Val-Arg-His-Gln-Lys-Leu-Val-Phe-Phe-Ala-Glu-Asp-Val-Gly-Ser-Asn-Lys-Gly-Ala-Ile-Ile-Gly-Leu-Met-Val-Gly-Gly-Val-Val-Ile-Ala-OH	β-Amyloid Peptide	250 µg	
(Pro^{18},Asp^{21})-Amyloid β-Protein (17-21)	171592	H-Leu-Pro-Phe-Phe-Asp-OH	β-Amyloid Peptide	5 mg	
Angiogenin (108-123)	175602	H-Glu-Asn-Gly-Leu-Pro-Val-His-Leu-Asp-Gln-Ser-Ile-Phe-Arg-Arg-Pro-OH	Angiogenesis Inhibitor	1 mg	
Angiotensin Converting Enzyme Substrate	03-32-5001	H-Hip-His-Leu-OH (Hip = benzoyl Gly)	Angiotensin Substrate	50 mg 100 mg	
Angiotensin I, Human	05-23-0100	H-Asp-Arg-Val-Tyr-Ile-His-Pro-Phe-His-Leu-OH	Neuropeptide	1 mg 5 mg 25 mg	
Angiotensin II, Human	05-23-0101	H-Asp-Arg-Val-Tyr-Ile-His-Pro-Phe-OH	Adenylate Cyclase Inhibitor	1 mg 5 mg 25 mg	
[Sar^1, Ala^8]-Angiotensin II, Human	05-23-0125	H-Sar-Arg-Val-Tyr-Ile-His-Pro-Ala-OH (Sar = sarcosine)	Neuropeptide	1 mg 5 mg	
[Tyr(PO_3H_2)^4]-Angiotensin II, Human	05-23-0111	H-Asp-Arg-Val-Tyr(PO_3H_2)-Ile-His-Pro-Phe-OH	Neuropeptide	1 mg 5 mg	
[Val^5]-Angiotensin II, Human	05-23-0106	H-Asp-Arg-Val-Tyr-Val-His-Pro-Phe-OH	Neuropeptide	1 mg 5 mg 25 mg	
Angiotensin III, Human	05-23-0102	H-Arg-Val-Tyr-Ile-His-Pro-Phe-OH	Neuropeptide	1 mg 5 mg 25 mg	
Anthopleurin A	178005	H-Gly-Val-Ser-Cys^4-Leu-Cys^6-Asp-Ser-Asp-Gly-Pro-Ser-Val-Arg-Gly-Asn-Thr-Leu-Ser-Gly-Thr-Leu-Trp-Leu-Tyr-Pro-Ser-Gly-Cys^{29}-Pro-Ser-Gly-Trp-His-Asn-Cys^{36}-Lys-Ala-His-Gly-Pro-Thr-Ile-Gly-Trp-Cys^{46}-Cys^{47}-Lys-Gln-OH (disulfide bonds: 4 → 46; 6 → 36; 29 → 47)	Sodium Channel Modulator	50 µg	
Apamin, Bee Venom	178270	H-Cys^1-Asn-Cys^3-Lys-Ala-Pro-Glu-Thr-Ala-Leu-Cys^{11}-Ala-Arg-Arg-Cys^{15}-Gln-Gln-His-NH_2 (disulfide bonds: 1 → 11; 3 → 15)	Potassium Channel Blocker	500 µg	
Z-Arg-Arg-7-amido-4-methylcoumarin, Dihydrochloride	03-32-1570	Z-Arg-Arg-AMC, 2HCl	Cathepsin Substrate	5 mg 25 mg 100 mg	
H-Arg-Gly-Asp-OH	03-34-0029	H-Arg-Gly-Asp-OH	Cell Adhesion Inhibitor	5 mg 25 mg	
H-Arg-Gly-Asp-Ser-OH	03-34-0002	H-Arg-Gly-Asp-Ser-OH	Cell Adhesion Inhibitor	5 mg 25 mg	
H-Arg-Gly-Asp-Ser-Pro-Ala-Ser-Ser-Lys-Pro-OH	03-34-0003	H-Arg-Gly-Asp-Ser-Pro-Ala-Ser-Ser-Lys-Pro-OH	Cell Adhesion Inhibitor	1 mg 5 mg	
Autocamtide-2 Related Inhibitory Peptide, Myristoylated	189482	Myr-N-Lys-Lys-Ala-Leu-Arg-Arg-Gln-Glu-Ala-Val-Asp-Ala-Leu-OH	Calmodulin Kinase Inhibitor	500 µg	
Autocamtide-3	189483	H-Lys-Lys-Ala-Leu-His-Arg-Gln-Glu-Thr-Val-Asp-Ala-Leu-OH	Protein Kinase Substrate	500 µg	

PRODUCT	CAT. NO.	PEPTIDE SEQUENCE	FUNCTIONAL CATEGORY	SIZE	PRICE
Bak BH3 Fusion Peptide, Cell-Permeable	196350	H-Arg-Gln-Ile-Lys-Ile-Trp-Phe-Gln-Asn-Arg-Arg-Met-Lys-Trp-Lys-Lys-Met-Gly-Gln-Val-Gly-Arg-Gln-Leu-Ala-Ile-Ile-Gly-Asp-Asp-Ile-Asn-Arg-Arg-Tyr-OH	Apoptosis Inducer	500 µg	
Bak BH3 Fusion Peptide, Cell-Permeable, Negative Control	196355	H-Arg-Gln-Ile-Lys-Ile-Trp-Phe-Gln-Asn-Arg-Arg-Met-Lys-Trp-Lys-Lys-Met-Gly-Gln-Val-Gly-Arg-Gln-Ala-Ala-Ile-Ile-Gly-Asp-Asp-Ile-Asn-Arg-Arg-Tyr-OH	Apoptosis Inducer	500 µg	
Bcl-2 Binding Peptide, Cell-Permeable	197220	$CH_3(CH_2)_8$CONH-Lys-Asn-Leu-Trp-Ala-Ala-Gln-Arg-Tyr-Gly-Arg-Glu-Leu-Arg-Arg-Met-Ser-Asp-Glu-Phe-Glu-Gly-Ser-Phe-Lys-Gly-Leu-OH	Apoptosis Inducer	1 mg	
Bcl-2 Binding Peptide, Cell-Permeable, Negative Control	197225	$CH_3(CH_2)_8$CONH-Lys-Asn-Leu-Trp-Ala-Ala-Gln-Arg-Tyr-Gly-Arg-Glu-Ala-Arg-Arg-Met-Ser-Asp-Glu-Phe-Glu-Gly-Ser-Phe-Lys-Gly-Leu-OH	Apoptosis Inducer	1 mg	
BDS-I, *Anemonia sulcata*	197700	Ala-Ala-Pro-Cys-Phe-Cys-Ser-Gly-Lys-Pro-Gly-Arg-Gly-Asp-Leu-Trp-Ile-Leu-Arg-Gly-Thr-Cys-Pro-Gly-Gly-Tyr-Gly-Tyr-Thr-Ser-Asn-Cys-Tyr-Lys-Trp-Pro-Asn-Ile-Cys-Cys-Tyr-Pro-His-OH	Potassium Channel Blocker	10 µg	
BDS-II, *Anemonia sulcata*	197705	Ala-Ala-Pro-Cys-Phe-Cys-Pro-Gly-Lys-Pro-Asp-Arg-Gly-Asp-Leu-Trp-Ile-Leu-Arg-Gly-Thr-Cys-Pro-Gly-Gly-Tyr-Gly-Tyr-Thr-Ser-Asn-Cys-Tyr-Lys-Trp-Pro-Asn-Ile-Cys-Cys-Tyr-Pro-His-OH	Potassium Channel Blocker	10 µg	
BE-18257B	198900	Cyclo(D-Glu-Ala-*allo*-D-Ile-Leu-D-Trp)	Endothelin Receptor Antagonist	500 µg	
Bombesin, Free Base	203675	H-Pyr-Gln-Arg-Leu-Gly-Asn-Gln-Trp-Ala-Val-Gly-His-Leu-Met-NH_2 (Pyr = 5-oxoPro)	Phospholipase Activator	500 µg 1 mg	
BQ-123, Sodium Salt	05-23-3831	Cyclo(D-Asp-Pro-D-Val-Leu-D-Trp, Na)	Endothelin Receptor Antagonist	500 µg 1 mg 5 mg	
BQ-3020	05-23-3839	Ac-Leu-Met-Asp-Lys-Glu-Ala-Val-Tyr-Phe-Ala-His-Leu-Asp-Ile-Ile-Trp-OH	Endothelin Receptor Antagonist	500 µg 1 mg	
BQ-485, Sodium Salt	05-23-3837	N-Perhydroazepine-1-yl-carbonyl-Leu-D-Trp-D-Trp-ONa	Endothelin Receptor Antagonist	1 mg 5 mg	
BQ-610	203715	Homopiperidinyl-CO-Leu-D-Trp(CHO)-D-Trp-OH	Endothelin Receptor Antagonist	500 µg	
BQ-788, Sodium Salt	05-23-3838	N-*cis*-2,6-D-methylpiperidinocarbonyl-αMeLeu-D-Trp(COOMe)-D-Nle-ONa	Endothelin Receptor Antagonist	1 mg 5 mg	
Bradykinin	05-23-0500	H-Arg-Pro-Pro-Gly-Phe-Ser-Pro-Phe-Arg-OH	Neuropeptide	1mg 5 mg 25 mg	
[Hyp^3,$Tyr(Me)^8$]-Bradykinin	05-23-0514	H-Arg-Pro-Hyp-Gly-Phe-Ser-Pro-Tyr(Me)-Arg-OH (Hyp = hydroxyproline)	Neuropeptide	1 mg 5 mg	
α-Bungarotoxin, *Bungarus multicinctus*	203980	H-Ile-Val-Cys^3-His-Thr-Thr-Ala-Thr-Ser-Pro-Ile-Ser-Ala-Val-Thr-Cys^{16}-Pro-Pro-Gly-Glu-Asn-Leu-Cys^{23}-Tyr-Arg-Lys-Met-Trp-Cys^{29}-Asp-Ala-Phe-Cys^{33}-Ser-Ser-Arg-Gly-Lys-Val-Val-Glu-Leu-Gly-Cys^{44}-Ala-Ala-Thr-Cys^{48}-Pro-Ser-Lys-Lys-Pro-Tyr-Glu-Glu-Val-Thr-Cys^{59}-Cys^{60}-Ser-Thr-Asp-Lys-Cys^{65}-Asn-Pro-His-Pro-Lys-Gln-Arg-Pro-Gly-OH (disulfide bonds: 3 → 23; 16 → 44; 29 → 33; 48 → 59; 60 → 65)	Neuromuscular Blocker	1 mg	
α-Bungarotoxin, Fluorescein Conjugate	203983	See Cat. No. 203980	Neuromuscular Blocker	50 µg	
α-Bungarotoxin, Tetramethylrhodamine Conjugate	203986	See Cat. No. 203980	Neuromuscular Blocker	50 µg	
CA-074	205530	[L-3-*trans*-(Propylcarbamoyl)oxirane-2-carbonyl]-L-isoleucyl-L-proline	Cathepsin B Inhibitor	1 mg	
CA-074 Me	205531	[L-3-*trans*-(Propylcarbamoyl)oxirane-2-carbonyl]-L-isoleucyl-L-proline Methyl Ester	Cathepsin B Inhibitor	1 mg	
Ca^{2+}/Calmodulin Kinase II Inhibitor 281-309	208711	H-Met-His-Arg-Gln-Glu-Thr-Val-Asp-Cys-Leu-Lys-Lys-Phe-Asn-Ala-Arg-Arg-Lys-Leu-Lys-Gly-Ala-Ile-Leu-Thr-Thr-Met-Leu-Ala-OH	Calmodulin Kinase Inhibitor	500 µg	

PRODUCT	CAT. NO.	PEPTIDE SEQUENCE	FUNCTIONAL CATEGORY	SIZE	PRICE
Ca^{2+}/Calmodulin Kinase II Substrate	208699	H-Pro-Leu-Ser-Arg-Thr-Leu-Ser-Val-Ser-Ser-NH_2	Protein Kinase Substrate	1 mg	
[Ala^{286}]-Ca^{2+}/Calmodulin Kinase II Inhibitor 281-301	208710	H-Met-His-Arg-Gln-Glu-Ala-Val-Asp-Cys-Leu-Lys-Lys-Phe-Asn-Ala-Arg-Arg-Lys-Leu-Lys-Gly-NH_2	Calmodulin Kinase Inhibitor	500 µg	
Ca^{2+}/Calmodulin Kinase II Substrate 281-291	208708	H-Met-His-Arg-Gln-Glu-Thr-Val-Asp-Cys-Leu-Lys-NH_2	Protein Kinase Substrate	500 µg	
Calcicludine, *Dendroaspis angusticeps*	207555	H-Trp-Gln-Pro-Pro-Trp-Tyr-Cys-Lys-Glu-Pro-Val-Arg-Ile-Gly-Ser-Cys-Lys-Lys-Gln-Phe-Ser-Ser-Phe-Tyr-Phe-Lys-Trp-Thr-Ala-Lys-Lys-Cys-Leu-Pro-Phe-Leu-Phe-Ser-Gly-Cys-Gly-Gly-Asn-Ala-Asn-Arg-Phe-Gln-Thr-Ile-Gly-Glu-Cys-Arg-Lys-Lys-Cys-Leu-Gly-Lys-OH	Calcium Channel Blocker	70 µg	
Calcicludine, *Dendroaspis polylepis polylepis*	208274	H-Arg-Ile-Cys-Tyr-Ile-His-Lys-Ala-Ser-Leu-Pro-Arg-Ala-Thr-Lys-Thr-Cys-Val-Glu-Asn-Thr-Cys-Tyr-Lys-Met-Phe-Ile-Arg-Thr-Gln-Arg-Glu-Tyr-Ile-Ser-Glu-Arg-Gly-Cys-Gly-Cys-Pro-Thr-Ala-Met-Trp-Pro-Tyr-Gln-Thr-Glu-Cys-Cys-Lys-Gly-Asp-Arg-Cys-Asn-Lys-OH	Calcium Channel Blocker	70 µg	
Calcineurin Autoinhibitory Peptide	207000	H-Ile-Thr-Ser-Phe-Glu-Glu-Ala-Lys-Gly-Leu-Asp-Arg-Ile-Asn-Glu-Arg-Met-Pro-Pro-Arg-Arg-Asp-Ala-Met-Pro-OH	Protein Phosphatase Inhibitor	250 µg	
Calcineurin Substrate	207008	H-Asp-Leu-Asp-Val-Pro-Ile-Pro-Gly-Arg-Phe-Asp-Arg-Arg-Val-Ser(PO_3H_2)-Val-Ala-Ala-Glu-OH	Protein Phosphatase Substrate	500 µg	
Calcitonin Gene-Related Peptide-I, Human	05-23-2404	H-Ala-Cys^2-Asp-Thr-Ala-Thr-Cys^7-Val-Thr-His-Arg-Leu-Ala-Gly-Leu-Leu-Ser-Arg-Ser-Gly-Gly-Val-Val-Lys-Asn-Asn-Phe-Val-Pro-Thr-Asn-Val-Gly-Ser-Lys-Ala-Phe-NH_2 (disulfide bond: 2 → 7)	Neuropeptide	100 µg 500 µg 1 mg	
Calcitonin Gene-Related Peptide-I 8-37, Human	05-23-2407	H-Val-Thr-His-Arg-Leu-Ala-Gly-Leu-Leu-Ser-Arg-Ser-Gly-Gly-Val-Val-Lys-Asn-Asn-Phe-Val-Pro-Thr-Asn-Val-Gly-Ser-Lys-Ala-Phe-NH2	Neuropeptide	100 µg 500 µg 1 mg	
Calcitonin Gene-Related Peptide-II, Human	05-23-2405	H-Ala-Cys^2-Asn-Thr-Ala-Thr-Cys^7-Val-Thr-His-Arg-Leu-Ala-Gly-Leu-Leu-Ser-Arg-Ser-Gly-Gly-Met-Val-Lys-Ser-Asn-Phe-Val-Pro-Thr-Asn-Val-Gly-Ser-Lys-Ala-Phe-NH_2 (disulfide bond: 2 → 7)	Neuropeptide	100 µg 500 µg	
Calcitonin, Human	05-23-2402	H-Cys^1-Gly-Asn-Leu-Ser-Thr-Cys^7-Met-Leu-Gly-Thr-Tyr-Thr-Gln-Asp-Phe-Asn-Lys-Phe-His-Thr-Phe-Pro-Gln-Thr-Ala-Ile-Gly-Val-Gly-Ala-Pro-NH_2 (disulfide bond: 1 → 7)	Hormone	500 µg 1 mg	
Calcitonin, Salmon	05-23-2401	H-Cys^1-Ser-Asn-Leu-Ser-Thr-Cys^7-Val-Leu-Gly-Lys-Leu-Ser-Gln-Glu-Leu-His-Lys-Leu-Gln-Thr-Tyr-Pro-Arg-Thr-Asn-Thr-Gly-Ser-Gly-Thr-Pro-NH_2 (disulfide bond: 1 → 7)	Hormone	1 mg 25 mg 100 mg	
Calmodulin Binding Domain	208734	H-Leu-Lys-Lys-Phe-Asn-Ala-Arg-Arg-Lys-Leu-Lys-Gly-Ala-Ile-Leu-Thr-Thr-Met-Leu-Ala-OH	Calmodulin Antagonist	1 mg	
Calmodulin Inhibitory Peptide	208735	Ac-Arg-Arg-Lys-Trp-Gln-Lys-Thr-Gly-His-Ala-Val-Arg-Ala-Ile-Gly-Arg-Leu-NH_2	Calmodulin Antagonist	500 µg	
Calmodulin Inhibitory Peptide Control	208736	Ac-Arg-Arg-Lys-Glu-Gln-Lys-Thr-Gly-His-Ala-Val-Arg-Ala-Ile-Gly-Arg-Glu-NH_2	Calmodulin Antagonist	500 µg	
Calpain Inhibitor III	208722	Z-Val-Phe-CHO	Calpain Inhibitor	25 mg	
Calpain Inhibitor IV	208724	Z-Val-Phe-CHO	Calpain Inhibitor	1 mg	
Calpain Inhibitor V	208726	Mu-Val-HPh-CH_2F (Mu = morpholinoureidyl; HPh = homophenylalanyl)	Calpain Inhibitor	1 mg	
Calpain Inhibitor VI	208745	4-Fluorophenylsulfonyl-Val-Leu-CHO	Calpain Inhibitor	1 mg 5 mg	
Calpain Substrate II, Fluorogenic	208731	Suc-Leu-Tyr-AMC	Calpain Inhibitor	25 mg	
Calpastatin Peptide	208902	Ac-Asp-Pro-Met-Ser-Ser-Thr-Tyr-Ile-Glu-Glu-Leu-Gly-Lys-Arg-Glu-Val-Thr-Ile-Pro-Pro-Lys-Tyr-Arg-Glu-Leu-Leu-Ala-NH_2	Calpain Inhibitor	500 µg	

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Calpastatin Peptide, Negative Control	208904	Ac-Ala-Pro-Arg-Leu-Glu-Ile-Val-Pro-Thr-Met-Tyr-Ile-Tyr-Lys-Leu-Ser-Pro-Thr-Gly-Ser-Glu-Lys-Leu-Gly-Asp-Glu-Arg-NH_2	Calpain Inhibitors, Negative Control	500 µg	
Calpeptin	03-34-0051	Z-Leu-Nle-CHO	Calpain Inhibitor	5 mg 25 mg 100 mg	
CaMK IINtide	208920	H-Lys-Arg-Pro-Pro-Leu-Gly-Gln-Ile-Gly-Arg-Ala-Lys-Arg-Val-Val-Ile-Glu-Asp-Asp-Arg-Ile-Asp-Asp-Val-Leu-Lys-OH	CaMK Inhibitor	1 mg	
CaMK IINtide, Myristoylated	208921	Myr-N-Gly-Gly-Gly-Lys-Arg-Pro-Pro-Lys-Leu-Gly-Gln-Ile-Gly-Arg-Ala-Lys-Arg-Val-Val-Ile-Glu-Asp-Asp-Ile-Asp-Asp-Val-Leu-Lys-OH	CaMK Inhibitor	1 mg	
CART (55-102), Human	218387	H-Val-Pro-Ile-Tyr-Glu-Lys-Lys-Tyr-Gly-Gln-Val-Pro-Met-Cys^{68}-Asp-Ala-Gly-Glu-Gln-Cys^{74}-Ala-Val-Arg-Lys-Gly-Ala-Arg-Ile-Gly-Lys-Leu-Cys^{86}-Asp-Cys^{88}-Pro-Arg-Gly-Thr-Ser-Cys^{94}-Asn-Ser-Phe-Leu-Leu-Lys-Cys^{101}-Leu-OH (disulfide bonds: 74 → 94; 68 → 86; 88 → 101)	Neuropeptide	100 µg	
CART (55-102), Rat	218388	H-Ile-Pro-Ile-Tyr-Glu-Lys-Lys-Tyr-Gly-Gln-Val-Pro-Met-Cys^{68}-Asp-Ala-Gly-Glu-Gln-Cys^{74}-Ala-Val-Arg-Lys-Gly-Ala-Arg-Ile-Gly-Lys-Leu-Cys^{86}-Asp-Cys^{88}-Pro-Arg-Gly-Thr-Ser-Cys^{94}-Asn-Ser-Phe-Leu-Leu-Lys-Cys^{101}-Leu-OH (disulfide bonds: 74 → 94; 68 → 86; 88 → 101)	Neuropeptide	100 µg	
Casein Kinase I Substrate	218730	H-Arg-Arg-Lys-Asp-Leu-His-Asp-Asp-Glu-Glu-Asp-Glu-Ala-Met-Ser-Ile-Thr-Ala-OH	Protein Kinase Substrate	500 µg	
Casein Kinase II Substrate	218731	H-Arg-Arg-Arg-Ala-Asp-Asp-Ser-Asp-Asp-Asp-Asp-Asp-OH	Protein Kinase Substrate	1 mg	
Caspase Active Site Peptide	235416	Ac-Ile-Gln-Ala-Cys-Arg-Gly-OH	Apoptosis Inhibitor	5 mg	
Caspase Inhibitor I	627610	Z-Val-Ala-Asp(OMe)-CH_2F	Apoptosis Inhibitor	1 mg	
Caspase Inhibitor I, Biotin Conjugate	218742	Biotin-X-Val-Ala-Asp(OMe)-CH_2F (X = linker)	Apoptosis Inhibitor	1 mg	
Caspase Inhibitor I, Cell-Permeable	218830	Ac-Ala-Ala-Val-Ala-Leu-Leu-Pro-Ala-Val-Leu-Leu-Ala-Leu-Leu-Ala-Pro-Val-Ala-Asp-CHO	Apoptosis Inhibitor	1 mg	
Caspase Inhibitor II	218735	Ac-Val-Ala-Asp-CHO	Apoptosis Inhibitor	1 mg	
Caspase Inhibitor III	218745	Boc-Asp(OMe)-CH_2F	Apoptosis Inhibitor	250 µg 1 mg	
Caspase Inhibitor IV	218784	Boc-Asp(OBzl)-CMK	Apoptosis Inhibitor	5 mg	
Caspase Inhibitor V, Biotin Conjugate	219000	Z-Val-Lys-X-(Biotin)-Asp(OMe)-CH_2F (X = linker)	Apoptosis Inhibitor	500 µg	
Caspase Inhibitor VI	219007	Z-Val-Ala-Asp-CH_2F	Apoptosis Inhibitor	250 µg 1 mg	
Caspase Inhibitor VII	218726	Ac-Val-Ala-Asp-CMK	Apoptosis Inhibitor	1 mg	
Caspase Inhibitor VIII	218729	Ac-Val-Asp-Val-Ala-Asp-CHO	Apoptosis Inhibitor	1 mg	
Caspase Substrate I, Fluorogenic	218743	Z-Val-Ala-Asp-AFC	Caspase Substrate	5 mg	
Caspase-1 Inhibitor I	400010	Ac-Tyr-Val-Ala-Asp-CHO	Apoptosis Inhibitor	1 mg 5 mg	
Caspase-1 Inhibitor I, Cell-Permeable	400011	Ac-Ala-Ala-Val-Ala-Leu-Leu-Pro-Ala-Val-Leu-Leu-Ala-Leu-Leu-Ala-Pro-Tyr-Val-Ala-Asp-CHO	Apoptosis Inhibitor	1 mg	
Caspase-1 Inhibitor II	400012	Ac-Tyr-Val-Ala-Asp-CMK	Apoptosis Inhibitor	5 mg	
Caspase-1 Inhibitor II, Biotin Conjugate	400022	Biotin-Tyr-Val-Ala-Asp-CMK	Apoptosis Inhibitor	5 mg	
Caspase-1 Inhibitor III, Biotin Conjugate	400024	Biotin-Tyr-Val-Ala-Asp-fluoroacyloxymethylketone	Apoptosis Inhibitor	5 mg	
Caspase-1 Inhibitor IV	400015	Ac-Tyr-Val-Ala-Asp-AOM	Apoptosis Inhibitor	1 mg	

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Caspase-1 Inhibitor V	400019	Z-Asp-CH_2-DCB	Apoptosis Inhibitor	5 mg	
Caspase-1 Inhibitor VI	218746	Z-Tyr-Val-Ala-Asp(OMe)-CH_2F	Apoptosis Inhibitor	250 µg 1 mg	
Caspase-1 Inhibitor VII, Biotin Conjugate	218786	Ac-Tyr-Val-Lys(biotinyl)-Asp-2,6-dimethylbenzoyloxymethylketone	Apoptosis Inhibitor	5 mg	
Caspase-1 Inhibitor VIII	218727	Ac-Trp-Glu-His-Asp-CHO	Apoptosis Inhibitor	500 µg	
Caspase-1 Substrate I	400016	H-Asn-Glu-Ala-Tyr-Val-His-Asp-Ala-Pro-Val-Arg-Ser-Leu-Asn-OH	Caspase Substrate	1 mg	
Caspase-1 Substrate II, Fluorogenic	400018	DABCYL-Tyr-Val-Ala-Asp-Ala-Pro-Val-EDANS	Caspase Substrate	500 µg	
Caspase-1 Substrate III, Fluorogenic	400020	Ac-Tyr-Val-Ala-Asp-AMC	Caspase Substrate	1 mg 5 mg	
Caspase-1 Substrate IV, Colorimetric	400025	Ac-Tyr-Val-Ala-Asp-*p*NA	Caspase Substrate	5 mg	
Caspase-1 Substrate V, Fluorogenic	400017	MCA-Tyr-Val-Ala-Asp-Ala-Pro-Lys(DNP)-OH	Caspase Substrate	1 mg	
Caspase-1 Substrate VI, Fluorogenic	688225	Z-Tyr-Val-Ala-Asp-AFC	Caspase Substrate	1 mg 5 mg	
Caspase-1 Substrate VII, Colorimetric	218736	Ac-Trp-Glu-His-Asp-*p*NA	Caspase Substrate	5 mg	
Caspase-1 Substrate VIII, Fluorogenic	218737	Ac-Trp-Glu-His-Asp-*p*NA	Caspase Substrate	1 mg	
Caspase-1 Substrate IX, Fluorogenic	218738	MCA-Tyr-Val-Ala-Asp-Ala-Pro-Lys-(DNP)-NH_2	Caspase Substrate	1 mg	
Caspase-1 Substrate X, Fluorogenic	218739	Ac-Trp-Glu-His-Asp-AMC	Caspase Substrate	5 mg	
Caspase-1 Substrate XI Standard	218796	FITC-Tyr-Val-Ala-Asp-OH	Caspase Substrate	1 mg	
Caspase-1 Substrate XI, Fluorogenic	218795	FITC-Tyr-Val-Ala-Asp-Ala-Pro-Lys-(DNP)-OH	Caspase Substrate	1 mg	
Caspase-1 Substrate XII, Fluorogenic	688224	Ac-Tyr-Val-Ala-Asp-AFC	Caspase Substrate	5 mg	
Caspase-1 Substrate XIII, Water-Soluble, Colorimetric	218821	Ac-Tyr-Val-Ala-Asp-*p*NA	Caspase Substrate	5 mg	
Caspase-1 Substrate XIV, Water-Soluble, Colorimetric	218822	Ac-Tyr-Glu-His-Asp-*p*NA	Caspase Substrate	5 mg	
Caspase-1/Caspase-4 Substrate I, Fluorgenic	400005	Ac-Trp-Glu-Ala-Asp-AMC	Caspase Substrate	1 mg 5 mg	
Caspase-1/Caspase-4 Substrate II, Fluorgenic	400006	Ac-Trp-Val-Ala-Asp-AMC	Caspase Substrate	1 mg 5 mg	
Caspase-1/Caspase-4 Substrate III, Colorimetric	400007	Ac-Trp-Glu-Ala-Asp-*p*NA	Caspase Substrate	5 mg	
Caspase-1/Caspase-4 Substrate IV, Colorimetric	400008	Ac-Trp-Val-Ala-Asp-*p*NA	Caspase Substrate	5 mg	
Caspase-2 Inhibitor I	218744	Z-Val-Asp(OMe)-Val-Ala-Asp(OMe)-CH_2F	Apoptosis Inhibitor	250 µg 1 mg	
Caspase-2 Inhibitor II	218814	Ac-Leu-Asp-Glu-Ser-Asp-CHO	Apoptosis Inhibitor	1 mg 5 mg	
Caspase-2 Substrate I, Fluorogenic	218740	Z-Val-Asp-Val-Ala-Asp-AFC	Caspase Substrate	1 mg 5 mg	
Caspase-2 Substrate II, Fluorogenic	218741	MCA-Val-Asp-Val-Ala-Asp-Gly-Trp-Lys-(DNP)-NH_2	Caspase Substrate	1 mg	
Caspase-2 Substrate III, Fluorogenic	218815	Ac-Asp-Glu-His-Asp-AMC	Caspase Substrate	5 mg	
Caspase-2 Substrate IV, Colorimetric	218820	Ac-Val-Asp-Val-Ala-Asp-*p*NA	Caspase Substrate	5 mg	

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Caspase-2 Substrate V, Fluorogenic	218818	Ac-Leu-Asp-Glu-Ser-Asp-AMC	Caspase Substrate	1 mg 5 mg	
Caspase-3 Inhibitor I	235420	Ac-Asp-Glu-Val-Asp-CHO	Apoptosis Inhibitor	1 mg 5 mg	
Caspase-3 Inhibitor I, Biotin Conjugate	235422	Biotin-Asp-Glu-Val-Asp-CHO	Apoptosis Inhibitor	1 mg 5 mg	
Caspase-3 Inhibitor I, Cell-Permeable	235423	Ac-Ala-Ala-Val-Ala-Leu-Leu-Pro-Ala-Val-Leu-Leu-Ala-Leu-Leu-Ala-Pro-Asp-Glu-Val-Asp-CHO	Apoptosis Inhibitor	1 mg	
Caspase-3 Inhibitor II	264155	Z-Asp(OCH_3)-Glu(OCH_3)-Val-Asp(OCH_3)-FMK	Apoptosis Inhibitor	250 µg 1 mg	
Caspase-3 Inhibitor II, Biotin Conjugate	218747	Biotin-X-Asp(OMe)-Glu(OMe)-Val-Asp(OMe)-CH_2F (X = linker)	Apoptosis Inhibitor	1 mg	
Caspase-3 Inhibitor III	218750	Ac-Asp-Glu-Val-Asp-CMK	Apoptosis Inhibitor	1 mg 5 mg	
Caspase-3 Inhibitor IV	235421	Ac-Asp-Met-Gln-Asp-CHO	Apoptosis Inhibitor	1 mg 5 mg	
Caspase-3 Inhibitor V	219002	Z-Asp(OMe)-Gln-Met-Asp(OMe)-CH_2F	Apoptosis Inhibitor	1 mg	
Caspase-3 Processing Inhibitor	218787	Ac-Glu-Ser-Met-Asp-CHO	Apoptosis Inhibitor	1 mg	
Caspase-3 Substrate I, Colorimetric	235400	Ac-Asp-Glu-Val-Asp-*p*NA	Caspase Substrate	5 mg	
Caspase-3 Substrate II, Fluorogenic	235425	Ac-Asp-Glu-Val-Asp-AMC	Caspase Substrate	1 mg 5 mg	
Caspase-3 Substrate III, Fluorogenic	235426	MCA-Asp-Glu-Val-Asp-Ala-Pro-Lys(DNP)-OH	Caspase Substrate	1 mg	
Caspase-3 Substrate IV, Fluorogenic	264150	Z-Asp-Glu-Val-Asp-AFC	Caspase Substrate	1 mg 5 mg	
Caspase-3 Substrate V, Fluorogenic	218751	MCA-Val-Asp-Gln-Met-Asp-Gly-Trp-Lys-(DNP)-NH_2	Caspase Substrate	1 mg	
Caspase-3 Substrate VI, Fluorogenic	218752	MCA-Asp-Glu-Val-Asp-Ala-Arg-Lys-(DNP)-NH_2	Caspase Substrate	1 mg	
Caspase-3 Substrate VII, Fluorogenic	264151	Ac-Asp-Glu-Val-Asp-AFC	Caspase Substrate	1 mg 5 mg	
Caspase-3 Substrate VIII, Water-Soluble, Colorimetric	218823	Ac-Asp-Glu-Val-Asp-*p*NA	Caspase Substrate	5 mg	
Caspase-4 Inhibitor I	218755	Ac-Leu-Glu-Val-Asp-CHO	Apoptosis Inhibitor	1 mg	
Caspase-4 Inhibitor I, Cell-Permeable	218766	Ac-Ala-Ala-Val-Ala-Leu-Leu-Pro-Ala-Val-Leu-Leu-Ala-Leu-Leu-Ala-Pro-Leu-Glu-Val-Asp-CHO	Apoptosis Inhibitor	1 mg	
Caspase-4 Substrate I, Fluorogenic	218756	MCA-Leu-Glu-Val-Asp-Gly-Trp-Lys-(DNP)-NH_2	Caspase Substrate	1 mg	
Caspase-4 Substrate II, Fluorogenic	218748	Ac-Leu-Glu-Val-Asp-AFC	Caspase Substrate	1 mg 5 mg	
Caspase-5 Inhibitor I	218753	Z-Trp-Glu(OMe)-His-Asp(OMe)-CH_2F	Apoptosis Inhibitor	250 µg 1 mg	
Caspase-5 Substrate II, Fluorogenic	218754	Ac-Trp-Glu-His-Asp-AFC	Caspase Substrate	1 mg 5 mg	
Caspase-6 Inhibitor I	218757	Z-Val-Glu(OMe)-Ile-Asp(OMe)-CH_2F	Apoptosis Inhibitor	250 µg 1 mg	
Caspase-6 Inhibitor II	218758	Ac-Val-Glu-Ile-Asp-CHO	Apoptosis Inhibitor	5 mg	

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Caspase-6 Inhibitor II, Cell-Permeable	218767	Ac-Ala-Ala-Val-Ala-Leu-Leu-Pro-Ala-Val-Leu-Leu-Ala-Leu-Leu-Ala-Pro-Val-Glu-Ile-Asp-CHO	Apoptosis Inhibitor	1 mg	
Caspase-6 Substrate I, Fluorogenic	218760	Ac-Val-Glu-Ile-Asp-AMC	Caspase Substrate	5 mg	
Caspase-6 Substrate II, Colorimetric	218762	Ac-Val-Glu-Ile-Asp-*p*NA	Caspase Substrate	5 mg	
Caspase-6 Substrate III, Fluorogenic	218763	Z-Val-Glu-Ile-Asp-AFC	Caspase Substrate	5 mg	
Caspase-6 Substrate V, Fluorogenic	218788	Ac-Val-Glu-His-Asp-AFC	Caspase Substrate	1 mg 5 mg	
Caspase-6 Substrate VI, Fluorogenic	218789	Ac-Val-Lys-Met-Asp-AFC	Caspase Substrate	1 mg 5 mg	
Caspase-6 Substrate VII, Fluorogenic	219003	Ac-Val-Asn-Leu-Asp-AFC	Caspase Substrate	1 mg 5 mg	
Caspase-7 Substrate I, Fluorogenic	218768	MCA-Val-Asp-Gln-Val-Asp-Gly-Trp-Lys-(DNP)-NH_2	Caspase Substrate	1 mg	
Caspase-8 Inhibitor I, Cell-Permeable	218773	Ac-Ala-Ala-Val-Ala-Leu-Leu-Pro-Ala-Val-Leu-Leu-Ala-Leu-Leu-Ala-Pro-Ile-Glu-Thr-Asp-CHO	Apoptosis Inhibitor	1 mg	
Caspase-8 Inhibitor II	218759	Z-Ile-Glu(OMe)-Thr-Asp(OMe)-CH_2F	Apoptosis Inhibitor	250 µg 1 mg	
Caspase-9 Inhibitor I	218761	Z-Leu-Glu(OMe)-His-Asp(OMe)-CH_2F	Apoptosis Inhibitor	250 µg 1 mg	
Caspase-9 Inhibitor II, Cell-Permeable	218776	Ac-Ala-Ala-Val-Ala-Leu-Leu-Pro-Ala-Val-Leu-Leu-Ala-Leu-Leu-Ala-Pro-Leu-Glu-His-Asp-CHO	Apoptosis Inhibitor	1 mg	
Caspase-9 Inhibitor III	218728	Ac-Leu-Glu-His-Asp-CMK	Apoptosis Inhibitor	1 mg	
Caspase-9 Substrate I, Fluorogenic	218765	Ac-Leu-Glu-His-Asp-AFC	Caspase Substrate	1 mg 5 mg	
Caspase-9 Substrate II, Colorimetric	218805	Ac-Leu-Glu-His-Asp-*p*NA	Caspase Substrate	5 mg	
Caspase-13 Inhibitor I	219005	Ac-Leu-Glu-Glu-Asp-CHO	Apoptosis Inhibitor	1 mg	
Caspase-13 Inhibitor II	219009	Z-Leu-Glu(OMe)-Glu(OMe)-Asp(OMe)-FMK	Apoptosis Inhibitor	250 µg 1 mg	
Caspase-13 Substrate I, Colorimetric	219006	Ac-Leu-Glu-Glu-Asp-*p*NA	Caspase Substrate	5 mg	
Cathepsin Inhibitor I	219415	Z-Phe-Gly-NHO-Bz	Cathepsin Inhibitor	1 mg	
Cathepsin Inhibitor II	219417	Z-Phe-Gly-NHO-Bz-*p*Me	Cathepsin Inhibitor	1 mg	
Cathepsin Inhibitor III	219419	Z-Phe-Gly-NHO-Bz-*p*OMe	Cathepsin Inhibitor	1 mg	
Cathepsin B Inhibitor I	342000	Z-Phe-Ala-CH_2F	Cathepsin Inhibitor	1 mg 5 mg	
Cathepsin B Inhibitor II	219385	Ac-Leu-Val-lysinal	Cathepsin Inhibitor	1 mg	
Cathepsin B Substrate I, Colorimetric	219405	Z-Arg-Arg-*p*NA, 2HCl	Cathepsin Substrate	5 mg	
Cathepsin B Substrate II	219391	Z-Ala-Arg-Arg-4MeOβNA, 2HCl	Cathepsin Substrate	25 mg	
Cathepsin B Substrate III, Fluorogenic	219392	Z-Ala-Arg-Arg-4MeOβNA, 2HCl	Cathepsin Substrate	25 mg	
Cathepsin D Substrate I	219399	Bz-Arg-Gly-Phe-Phe-Pro-4MeOβNA, HCl	Cathepsin Substrate	10 mg	
Cathepsin G Substrate I, Colorimetric	219407	Suc-Ala-Ala-Pro-Phe-*p*NA	Cathepsin Substrate	25 mg	
Cathepsin G Substrate II, Colorimetric	219410	MeOSuc-Ala-Ala-Pro-Met-*p*NA	Cathepsin Substrate	25 mg	

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Cathepsin G Substrate III, Fluorogenic	03-32-1527	H-Glu-Gly-Gly-Phe-7-amido-4-methylcoumarin, HCl	Cathepsin Substrate	5 mg 25 mg	
Cathepsin G Substrate III, Water-Soluble, Colorimetric	219438	MeOSuc-Ala-Ala-Pro-Met-*p*NA	Cathepsin Substrate	5 mg	
Cathepsin H Substrate II, Fluorogenic	219414	H-Arg-AMC, 2HCl	Cathepsin Substrate	25 mg	
Cathepsin L Inhibitor I	219421	Z-Phe-Phe-CH_2F	Cathepsin Inhibitor	1 mg	
Cathepsin L Inhibitor II	219426	Z-Phe-Tyr-CHO	Cathepsin Inhibitor	5 mg	
Cathepsin L Inhibitor III	219427	Z-Phe-Tyr(t-Bu)-diazomethylketone	Cathepsin Inhibitor	5 mg	
Cathepsin L Inhibitor IV	219433	1-Naphthalenesulfonyl-Ile-Trp-CHO	Cathepsin Inhibitor	1 mg	
Cathepsin L Inhibitor V	219435	Z-Phe-Tyr(OtBu)-COCHO • H_2O	Cathepsin Inhibitor	1 mg	
Cathepsin S Inhibitor	219393	Z-Phe-Leu-COCHO • H_2O	Cathepsin Inhibitor	1 mg	
Cathepsin/Substilisin Inhibitor	219420	Boc-Val-Phe-NHO-Bz-*p*Cl	Cathepsin Inhibitor	1 mg	
Cdk1 Substrate	217705	H-His-Ala-Thr-Pro-Pro-Lys-Lys-Lys-Arg-Lys-OH	Protein Substrate	500 µg	
Cdk2 Inhibitor	219442	H-Tyr-Ser-Phe-Val-His-His-Gly-Phe-Phe-Asn-Phe-Arg-Val-Ser-Trp-Arg-Glu-Met-Leu-Ala-OH	Cyclin-Dependent Kinase Inhibitor	1 mg	
Cdk2/Cyclin Inhibitory Peptide I	238801	H-Tyr-Gly-Arg-Lys-Lys-Arg-Arg-Gln-Arg-Arg-Arg-Gly-Pro-Val-Lys-Arg-Arg-Leu-Phe-Gly-OH	Cyclin-Dependent Kinase Inhibitor	500 µg	
Cdk2/Cyclin Inhibitory Peptide II	238802	H-Tyr-Gly-Arg-Lys-Lys-Arg-Arg-Gln-Arg-Arg-Arg-Gly-Pro-Val-Lys-Arg-Arg-Leu-Asp-Leu-OH	Cyclin-Dependent Kinase Inhibitor	500 µg	
Cdk5 Substrate	219451	H-Pro-Lys-Thr-Pro-Lys-Lys-Ala-Lys-Lys-Leu-OH	Protein Kinase Substrate	500 µg	
Charybdotoxin, *Leiurus quinquestriatus hebraeus*	220332	H-Pyr-Phe-Thr-Asn-Val-Ser-Cys^{7}-Thr-Thr-Ser-Lys-Glu-Cys^{13}-Trp-Ser-Val-Cys^{17}-Gln-Arg-Leu-His-Asn-Thr-Ser-Arg-Gly-Lys-Cys^{28}-Met-Asn-Lys-Lys-Cys^{33}-Arg-Cys^{35}-Tyr-Ser-OH (disulfide bonds: 7 → 28; 13 → 33; 17 → 35)	Potassium Channel Blocker	10 µg	
Charybdotoxin, Recombinant, *E. coli*	220334	H-Pyr-Phe-Thr-Asn-Val-Ser-Cys^{7}-Thr-Thr-Ser-Lys-Glu-Cys^{13}-Trp-Ser-Val-Cys^{17}-Gln-Arg-Leu-His-Asn-Thr-Ser-Arg-Gly-Lys-Cys^{28}-Met-Asn-Lys-Lys-Cys^{33}-Arg-Cys^{35}-Tyr-Ser-OH (disulfide 7 → 28; 13 → 33; 17 → 3)	Potassium Channel Blocker	5 µg 10 µg	
Chlamydocin, *Diheterospora chlamydospora*	220555	Cyclo-(α-aminobutyric acid-L-Phe-D-Pro-L-2-amino-8-oxo-9,10-epoxydecanoic acid)	Histone Deacetylase Inhibitor	5 mg	
Cholecystokinin Octapeptide	05-23-3000	H-Asp-Tyr-(SO_3H)-Met-Gly-Trp-Met-Asp-Phe-NH_2	Neuropeptide	500 µg 1 mg	
Chymotrypsin Substrate I, Colorimetric	230912	Suc-Gly-Gly-Phe-*p*NA	Chymotrypsin Substrate	10 mg	
Chymotrypsin Substrate II, Fluorogenic	230914	Suc-Ala-Ala-Pro-Phe-AMC	Chymotrypsin Substrate	25 mg	
Coagulation Factor β-XIIa Substrate, Colorimetric	233500	Z-Lys-Phe-Arg-pNA, 2HCl	Coagulation Factor Substrate	10 mg	
α-Cobratoxin, *Naja naja kaouthia*	233605	H-Ile-Arg-Cys^{3}-Phe-Ile-Thr-Pro-Asp-Ile-Thr-Ser-Lys-Asp-Cys^{14}-Pro-Asn-Gly-His-Val-Cys^{20}-Tyr-Thr-Lys-Thr-Trp-Cys^{26}-Asp-Ala-Phe-Cys^{30}-Ser-Ile-Arg-Gly-Lys-Arg-Val-Asp-Leu-Gly-Cys^{41}-Ala-Ala-Thr-Cys^{45}-Pro-Thr-Val-Lys-Thr-Gly-Cal-Asp-Ile-Gln-Cys^{56}-Cys^{57}-Ser-Thr-Asp-Asn-Cys^{62}-Asn-Pro-Phe-Pro-Thr-Arg-Lys-Arg-Pro-OH (disulfide bonds: 3 → 20; 14 → 41; 26 → 30; 45 → 56; 57 → 62)	Neuromuscular Blocker	1 mg	
Collagenase Affinity Ligand	234136	H-Pro-Leu-Gly-NHOH, HCl	Collagenase Inhibitor	5 mg	
Collagenase Inhibitor	234140	Z-Pro-D-Leu-D-Ala-NHOH	Collagenase Inhibitor	5 mg	
Collagenase Substrate I	317475	2,4-Dinitrophenyl-Pro-Gln-Gly-Ile-Ala-Gly-Gln-D-Arg-OH	Collagenase and Substrate	5 mg	
Collagenase Substrate II	234147	FA-Leu-Gly-Pro-Ala-OH (FA = 2-furanacryloyl)	Collagenase and Substrate	5 mg	

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Collagenase Substrate III, Fluorogenic	234164	Mcc-Pro-Leu-Gly-Pro-D-Lys(DNP)-OH	Collagenase and Substrate	5 mg	
Conantokin G, *Conus geographus*	234550	H-Gly-Glu-Gla-Gla-Leu-Gln-Gla-Asn-Gln-Gla-Leu-Ile-Arg-Gla-Lys-Ser-Asn-NH_2 (Gla = γ-carboxyglutamic acid)	NMDA Receptor Antagonist	50 µg	
Conantokin T, *Conus tulipa*	234555	H-Gly-Glu-Gla-Gla-Tyr-Gln-Lys-Met-Leu-Gla-Asn-Leu-Arg-Gla-Ala-Glu-Val-Lys-Lys-Asn-Ala-NH_2 (Gla = γ-carboxyglutamic acid)	NMDA Receptor Antagonist	50 µg	
Conopressin G, *Conus geographus*	234612	H-Cys^1-Phe-Ile-Arg-Asn-Cys^6-Pro-Lys-Gly-NH_2 (disulfide bond: 1 → 6)	Neuropeptide Neurotoxin	1 mg	
α-Conotoxin EI, *Conus ermineus*	234618	H-Arg-Asp-Hyp-Cys^4-Cys^5-Tyr-His-Pro-Thr-Cys^{10}-Asn-Met-Ser-Asn-Pro-Gln-Ile-Cys^{18}-NH_2 (disulfide bonds: 4 → 10; 5 → 18)	Cholinergic Antagonist	100 µg	
α-Conotoxin GI, *Conus geographus*	234621	H-Glu-Cys^2-Cys^3-Asn-Pro-Ala-Cys^7-Gly-Arg-His-Tyr-Ser-Cys^{13}-NH_2 (disulfide bonds: 2 → 7; 3 → 13)	Cholinergic Antagonist	500 µg	
α-Conotoxin IMI, *Conus imperialis*	234629	H-Gly-Cys^2-Cys^3-Ser-Asp-Pro-Arg-Cys^8-Ala-Trp-Arg-Cys^{12}-NH_2 (disulfide bonds: 2 → 8; 3 → 12)	Cholinergic Antagonist	100 µg	
α-Conotoxin MI, *Conus magus*	234623	H-Gly-Arg-Cys^3-Cys^4-His-Pro-Ala-Cys^8-Gly-Lys-Asn-Tyr-Ser-Cys^{14}-NH_2 (disulfide bonds: 3 → 8; 4 → 14)	Cholinergic Antagonist	500 µg	
α-Conotoxin SI, *Conus stratus*	234624	H-Ile-Cys^2-Cys^3-Asn-Pro-Ala-Cys^7-Gly-Pro-Lys-Tyr-Ser-Cys^{13}-NH_2 (disulfide bonds: 2 → 7; 3 → 13)	Cholinergic Antagonist	500 µg	
α-Conotoxin SIA, *Conus striatus*	234628	H-Tyr-Cys^2-Cys^3-His-Pro-Ala-Cys^7-Gly-Lys-Asn-Phe-Asp-Cys13-NH_2 (disulfide bonds: 2 → 7; 3 → 13)	Cholinergic Antagonist	500 µg	
µ-Conotoxin GIIIA, *Conus geographus*	234622	H-Arg-Asp-Cys^3-Cys^4-Thr-Hyp-Hyp-Lys-Lys-Cys^{10}-Lys-Asp-Arg-Gln-Cys^{15}-Lys-Hyp-Gln-Arg-Cys^{20}-Cys^{21}-Ala-NH_2 (disulfide bonds: 3 → 15; 4 → 20; 10 → 21)	Sodium Channel Blocker	100 µg	
µ-Conotoxin GIIIB, *Conus geographus*	234620	H-Arg-Asp-Cys^3-Cys^4-Thr-Hyp-Hyp-Arg-Lys-Cys^{10}-Lys-Asp-Arg-Arg-Cys^{15}-Lys-Hyp-Met-Lys-Cys^{20}-Cys^{21}-Ala-NH_2 (disulfide bonds: 3 → 15; 4 → 20; 10 → 21)	Sodium Channel Blocker	100 µg	
ω-Conotoxin GVIA, *Conus geographus*	343781	H-Cys^1-Lys-Ser-Hyp-Gly-Ser-Ser-Cys^8-Ser-Hyp-Thr-Ser-Tyr-Asn-Cys^{15}-Cys^{16}-Arg-Ser-Cys^{19}-Asn-Hyp-Tyr-Thr-Lys-Arg-Cys^{26}-Tyr-NH_2 (disulfide bonds: 1 → 16; 8 → 19; 15 → 26)	Calcium Channel Blocker	100 µg	
ω-Conotoxin MVIIC, *Conus magus*	234630	H-Cys^1-Lys-Gly-Lys-Gly-Ala-Pro-Cys^8-Arg-Lys-Thr-Met-Tyr-Asp-Cys^{15}-Cys^{16}-Ser-Gly-Ser-Cys^{20}-Gly-Arg-Arg-Gly-Lys-Cys^{26}-NH_2 (disulfide bonds: 1 → 16; 8 → 20; 15 → 26)	Calcium Channel Blocker	30 µg	
Corticotropin-Releasing Factor, Human and Rat	05-23-0050	H-Ser-Glu-Glu-Pro-Pro-Ile-Ser-Leu-Asp-Leu-Thr-Phe-His-Leu-Leu-Arg-Glu-Val-Leu-Glu-Met-Ala-Arg-Ala-Glu-Gln-Leu-Ala-Gln-Gln-Ala-His-Ser-Asn-Arg-Lys-Leu-Met-Glu-Ile-Ile-NH_2	Neuropeptide	100 µg 500 µg 1 mg	
α-Corticotropin Releasing Factor 9-41, Helical	05-23-0070	H-Asp-Leu-Thr-Phe-His-Leu-Leu-Arg-Glu-Met-Leu-Glu-Met-Ala-Lys-Ala-Glu-Gln-Glu-Ala-Glu-Gln-Ala-Ala-Leu-Asn-Arg-Leu-Leu-Leu-Glu-Glu-Ala-NH_2	Neuropeptide	500 µg 1 mg	
CREBtide	238464	H-Lys-Arg-Arg-Glu-Ile-Leu-Ser-Arg-Arg-Pro-Ser-Tyr-Arg-OH	Protein Kinase Substrate	1 mg	
Cyclo(Arg-Gly-Asp-D-Phe-Val)	182015	Cyclo(Arg-Gly-Asp-D-Phe-Val)	Cell Adhesion Inhibitor	1 mg	
Cyclo[Asp(OBz)-D-Phe-MeVal-Arg(Mtr)-Gly]	182020	Cyclo[Asp(OBz)-D-Phe-MeVal-Arg(Mtr)-Gly] (Mtr = 4-methoxy-2,3,6-trimethyl-benzene-sulfonyl)	Cell Adhesion Inhibitor	1 mg	
α-Dendrotoxin, *Dendroaspis angusticeps*	253704	Pyr-Pro-Arg-Arg-Lys-Leu-Cys^7-Ile-Leu-His-Arg-Asn-Pro-Gly-Arg-Cys^{16}-Tyr-Asp-Lys-Ile-Pro-Ala-Phe-Tyr-Tyr-Asn-Gln-Lys-Lys-Lys-Gln-Cys^{32}-Glu-Arg-Phe-Asp-Trp-Ser-Gly-Cys^{40}-Gly-Gly-Asn-Ser-Asn-Arg-Phe-Lys-Thr-Ile-Glu-Glu-Cys^{53}-Arg-Arg-Thr-Cys^{57}-Ile-Gly-OH (disulfide bonds: 7 → 57; 16 → 40; 32 → 53)	Potassium Channel Blocker	140 µg	

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Dendrotoxin, *Dendroaspis angusticeps*	253702	Pyr-Pro-Arg-Arg-Lys-Leu-Cys[7]-Ile-Leu-His-Arg-Asn-Pro-Gly-Arg-Cys[16]-Tyr-Asp-Lys-Ile-Pro-Ala-Phe-Tyr-Tyr-Asn-Gln-Lys-Lys-Lys-Gln-Cys[32]-Glu-Arg-Phe-Asp-Trp-Ser-Gly-Cys[40]-Gly-Gly-Asn-Ser-Asn-Arg-Phe-Lys-Thr-Ile-Glu-Glu-Cys[53]-Arg-Arg-Thr-Cys[57]-Ile-Gly-OH (disulfide bonds: 7 → 57; 16 → 40; 32 → 53)	Potassium Channel Blocker	100 µg	
Dendrotoxin K, *Dendroaspis polylepis polylepis*	253709	H-Ala-Ala-Lys-Tyr-Cys-Lys-Leu-Pro-Leu-Arg-Ile-Gly-Pro-Cys-Lys-Arg-Lys-Ile-Pro-Ser-Phe-Tyr-Tyr-Lys-Trp-Lys-Ala-Lys-Gln-Cys-Leu-Pro-Phe-Asp-Tyr-Ser-Gly-Cys-Gly-Gly-Asn-Ala-Asn-Arg-Phe-Lys-Thr-Ile-Glu-Glu-Cys-Arg-Arg-Thr-Cys-Val-Gly-OH	Potassium Channel Blocker	70 µg	
Diazepam Binding Inhibitor Fragment, Human	05-23-1500	H-Gln-Ala-Thr-Val-Gly-Asp-Ile-Asn-Thr-Glu-Arg-Pro-Gly-Met-Leu-Asp-Phe-Thr-Gly-Lys-OH	Neuropeptide	500 µg 1 mg	
Diazepam Binding Inhibitor, Porcine Intestine	282500	H-Met-Ser-Gln-Ala-Glu-Phe-Glu-Lys-Ala-Ala-Glu-Glu-Val-Lys-Asn-Leu-Lys-Thr-Lys-Pro-Ala-Asp-Asp-Glu-Met-Leu-Phe-Ile-Tyr-Ser-His-Tyr-Lys-Gln-Ala-Thr-Val-Gly-Asp-Ile-Asn-Thr-Glu-Arg-Pro-Gly-Ile-Leu-Asp-Leu-Lys-Gly-Lys-Ala-Lys-Trp-Asp-Ala-Trp-Asn-Gly-Leu-Lys-Gly-Thr-Ser-Lys-Glu-Asp-Ala-Met-Lys-Ala-Tyr-Ile-Asn-Lys-Val-Glu-Glu-Leu-Lys-Lys-Lys-Tyr-Gly-Ile-OH	GABA Receptor Modulator	250 µg	
Dipeptidylpeptidase I Substrate II, Fluorogenic	534050	H-Pro-Arg-AFC	Dipeptidylpeptidase Substrate	5 mg	
Dipeptidylpeptidase IV Inhibitor I	416200	H-Ile-Pro-Ile, TFA	Dipeptidylpeptidase Inhibitor	5 mg	
Dipeptidylpeptidase IV Inhibitor II	317638	H-Glu-(NHO-Bz)-Pyr, HCl	Dipeptidylpeptidase Inhibitor	1 mg	
Dipeptidylpeptidase IV Substrate I, Fluorogenic	125510	H-Ala-Pro-AFC	Dipeptidylpeptidase Substrate	5 mg	
Diprotin A	03-34-0012	H-Ile-Pro-Ile-OH	Dipeptidylpeptidase Inhibitor	50 mg	
Dolastatin 15	320900	(5S)-1-[(2S)-O-(N,N-Val-Val-N-Me-Val-Pro-Pro)-2-hydroxyisovaleryl]-2-oxo-4-methoxy-5-benzyl-3-pyrroline	Anti-cancer Agent; Apoptosis Inducer	1 mg	
DRONC Substrate I, Fluorgenic	287990	Ac-Thr-Gln-Thr-Glu-AFC	Caspase Substrate	1 mg 5 mg	
DRONC Substrate II, Fluorogenic	287995	Ac-Thr-Gln-Thr-Asp-AFC	Caspase Substrate	1 mg 5 mg	
DRONC Substrate III, Fluorogenic	287996	Ac-Gly-Ile-Glu-Thr-Asp-AFC	Caspase Substrate	1 mg 5 mg	
DRONC Substrate IV, Fluorogenic	287997	Ac-Val-Asp-Val-Ala-Asp-AMC	Caspase Substrate	1 mg 5 mg	
Drosophila Antennapedia Homeo-domain (43-58)	287895	H-Arg-Gln-Ile-Lys-Ile-Trp-Phe-Gln-Asn-Arg-Arg-Met-Lys-Trp-Lys-Lys-OH	Protein Kinase G Inhibitor	1 mg	
Dynorphin A 1-13, Porcine	05-23-0800	H-Tyr-Gly-Gly-Phe-Leu-Arg-Arg-Ile-Arg-Pro-Lys-Leu-Lys-OH	Endorphins and Enkephalin	1 mg	
Elastase Inhibitor I	324692	Boc-Ala-Ala-Ala-NHO-Bz	Elastase Inhibitor	1 mg	
Elastase Inhibitor II	324744	MeOSuc-Ala-Ala-Pro-Ala-CMK	Elastase Inhibitor	5 mg	
Elastase Inhibitor III	324745	MeOSuc-Ala-Ala-Pro-Val-CMK	Elastase Inhibitor	5 mg	
Elastase Substrate I, Colorimetric	324696	MeOSuc-Ala-Ala-Pro-Val-*p*NA	Elastase Substrate	10 mg	
Elastase Substrate II, Colorimetric	324697	Boc-Ala-Ala-Pro-Ala-*p*NA	Elastase Substrate	5 mg	
Elastase Substrate III, Colorimetric	324698	Pyr-Pro-Val-*p*NA (Pyr = pyroglutamyl)	Elastase Substrate	5 mg	
Elastase Substrate IV, Colorimetric	324699	Suc-Ala-Ala-Pro-Abu-*p*NA (Abu = L-α-Aminobutyric acid)	Elastase Substrate	5 mg	
Elastase Substrate V, Fluorogenic	324740	MeOSuc-Ala-Ala-Pro-Val-AMC	Elastase Substrate	25 mg	
Elastase Substrate VI	324747	Boc-Ala-Pro-Nva-SBzl (4-Chloro) [Nva = norvaline]	Elastase Substrate	5 mg	
Elastase Substrate VII	324748	Abz-Ala-Gly-Leu-Ala-*p*-Nba (Abz = *o*-aminobenzoyl; Nba = nitrobenzylamide)	Elastase Substrate	10 mg	

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Elastase Substrate VIII, Colorimetric	03-32-0009	Suc-Ala-Ala-Ala-*p*NA	Elastase Substrate	5 mg 25 mg 100 mg	
EMAP II Inhibitor	324678	Z-Ala-Ser-Thr-Asp(OMe)-CH_2F	Apoptosis Inhibitor	1 mg	
Endomorphin-1	324730	H-Tyr-Pro-Trp-Phe-NH_2	Endorphin Neuropeptide	5 mg	
Endomorphin-2	324731	H-Tyr-Pro-Phe-Phe-NH_2	Endorphin Neuropeptide	5 mg	
β-Endorphin, Human	05-23-0930	H-Tyr-Gly-Gly-Phe-Met-Thr-Ser-Glu-Lys-Ser-Gln-Thr-Pro-Leu-Val-Thr-Leu-Phe-Lys-Asn-Ala-Ile-Ile-Lys-Asn-Ala-Tyr-Lys-Lys-Gly-Glu-OH	Endorphin Neuropeptide	1 mg 5 mg	
Endothelin 1, Human and Porcine	05-23-3800	H-Cys^1-Ser-Cys^3-Ser-Ser-Leu-Met-Asp-Lys-Glu-Cys^{11}-Val-Tyr-Phe-Cys^{15}-His-Leu-Asp-Ile-Ile-Trp-OH (disulfide bonds: 1 → 15; 3 → 11)	Endothelin Neuropeptide	100 µg 500 µg 1 mg	
Endothelin 2, Human	05-23-3805	H-Cys^1-Ser-Cys^3-Ser-Ser-Trp-Leu-Asp-Lys-Glu-Cys^{11}-Val-Tyr-Phe-Cys^{15}-His-Leu-Asp-Ile-Ile-Trp-OH (disulfide bonds: 1 → 15; 3 → 11)	Endothelin Neuropeptide	100 µg 500 µg 1 mg	
Endothelin 3, Human and Rat	05-23-3801	H-Cys^1-Thr-Cys^3-Phe-Thr-Tyr-Lys-Asp-Lys-Glu-Cys^{11}-Val-Tyr-Tyr-Cys^{15}-His-Leu-Asp-Ile-Ile-Trp-OH (disulfide bonds: 1 → 15; 3 → 11)	Endothelin Neuropeptide	100 µg 500 µg	
Big-Endothelin 1, 1-38, Human	05-23-3803	H-Cys^1-Ser-Cys^3-Ser-Ser-Leu-Met-Asp-Lys-Glu-Cys^{11}-Val-Tyr-Phe-Cys^{15}-His-Leu-Asp-Ile-Ile-Trp-Val-Asn-Thr-Pro-Glu-His-Val-Val-Pro-Tyr-Gly-Leu-Gly-Ser-Pro-Arg-Ser-OH (disulfide bonds: 1 → 15; 3 → 11)	Endothelin Neuropeptide	100 µg 500 µg	
Big-Endothelin 1, 1-39, Porcine	05-23-3804	H-Cys^1-Ser-Cys^3-Ser-Ser-Leu-Met-Asp-Lys-Glu-Cys^{11}-Val-Tyr-Phe-Cys^{15}-His-Leu-Asp-Ile-Ile-Trp-Val-Asn-Thr-Pro-Glu-His-Ile-Val-Pro-Tyr-Gly-Leu-Gly-Ser-Pro-Ser-Arg-Ser-OH (disulfide bonds: 1 → 15; 3 → 11)	Endothelin Neuropeptide	100 µg	
Big-Endothelin 1, 1-39, Rat	05-23-3811	H-Cys^1-Ser-Cys^3-Ser-Ser-Leu-Met-Asp-Lys-Glu-Cys^{11}-Val-Tyr-Phe-Cys^{15}-His-Leu-Asp-Ile-Ile-Trp-Val-Asn-Thr-Pro-Glu-Arg-Val-Val-Pro-Tyr-Gly-Leu-Gly-Ser-Pro-Ser-Arg-Ser-OH (disulfide bonds: 1 → 15; 3 → 11)	Endothelin Neuropeptide	100 µg	
Endotoxin Substrate, Colorimetric	324781	Boc-Leu-Gly-Arg-pNA, AcOH	Endotoxin Substrate	25 mg	
[Leu^5]-Enkephalin	05-23-0900	H-Tyr-Gly-Gly-Phe-Leu-OH	Endorphin Neuropeptide	5 mg 25 mg	
[Met^5]-Enkephalin	05-23-0901	H-Tyr-Gly-Gly-Phe-Met-OH	Endorphin Neuropeptide	5 mg 25 mg	
Fibrinopeptide A, Human	341662	H-Ala-Asp-Ser-Gly-Glu-Gly-Asp-Phe-Leu-Ala-Glu-Gly-Gly-Gly-Val-Arg-OH	Fibrinogen Cleavage Product	500 µg 1 mg	
Fibrinopeptide B, Human	341664	Pyr-Gly-Val-Asn-Asp-Asn-Glu-Glu-Gly-Phe-Phe-Ser-Ala-Arg-OH (Pyr = L-pyroglutamyl)	Fibrinogen Cleavage Product	500 µg 1 mg	
FMRF Amide	05-22-5850	H-Phe-Met-Arg-Phe-NH_2	Neuropeptide	5 mg 25 mg	
Formyl-Met-Leu-Phe-OH	05-22-2500	Formyl-Met-Leu-Phe-OH	Superoxide Inducer/ Chemotactic Peptide	5 mg 25 mg 100 mg	
FR-1	05-23-1701	H-Cys^1-Arg-Gly-Asp-Ser-Pro-Ala-Ser-Ser-Cys^{10}-OH (disulfide bond: 1 → 10)	Cell Adhesion Inhibitor	1 mg 5 mg	
FS2, *Dendroaspis polylepis polylepis*	344158	H-Arg-Ile-Cys-Tyr-Ser-His-Lys-Ala-Ser-Leu-Pro-Arg-Ala-Thr-Lys-Thr-Cys-Val-Glu-Asn-Thr-Cys-Tyr-Lys-Met-Phe-Ile-Arg-Thr-His-Arg-Glu-Tyr-Ile-Ser-Glu-Arg-Gly-Cys-Gly-Cys-Pro-Thr-Ala-Met-Trp-Pro-Tyr-Gln-Thr-Glu-Cys-Cys-Lys-Gly-Asp-Arg-Cys-Asn-Lys-OH	Calcium Channel Blocker	70 µg	

PRODUCT	CAT. NO.	PEPTIDE SEQUENCE	FUNCTIONAL CATEGORY	SIZE	PRICE
FTase Inhibitor I	344510	N-[2(S)-[2(R)-NH_2-3-mercaptopropylamino]-3-methylbutyl]-Phe-Met-OH	FTase Inhibitor	1 mg	
FTase Inhibitor II	344512	H-Cys-4-Abz-Met-OH (Abz = *o*-aminobenzoyl)	FTase Inhibitor	1 mg	
FTase Inhibitor III	344514	H-Cys-Val-2-Nal-Met-OH (Nal = naphthylalanine)	FTase Inhibitor	1 mg	
FTase Inhibitor IV	344515	H-D-Trp-D-Met-*p*-chloro-D-Phe-Gla-NH_2 (Gla = γ-carboxyglutamic acid)	FTase Inhibitor	1 mg	
Furin Inhibitor	344930	Decanoyl-Arg-Val-Lys-Arg-CMK	Protease Inhibitor	1 mg	
Furin Inhibitor II	344931	H-(D)Arg-Arg-Arg-Arg-Arg-Arg-NH_2	Protease Inhibitor	1 mg	
Furin Substrate	344935	Pyr-Arg-Thr-Lys-Arg-AMC	Protease Substrate	5 mg	
Galanin, Porcine	05-23-2350	H-Gly-Trp-Thr-Leu-Asn-Ser-Ala-Gly-Tyr-Leu-Leu-Gly-Pro-His-Ala-Ile-Asp-Asn-His-Arg-Ser-Phe-His-Asp-Lys-Tyr-Gly-Leu-Ala-NH_2	Neuropeptide	500 µg 1 mg	
Gastrin I, Human	05-23-2301	Pyr-Gly-Pro-Trp-Leu-Glu-Glu-Glu-Glu-Glu-Ala-Tyr-Gly-Trp-Met-Asp-Phe-NH_2 (Pyr = L-pyroglutamyl)	Hormones	0.5 mg 1 mg	
GGACK, Dihydrochloride	347435	H-Gly-Pro-Arg-Pro-OH	Urokinase Inhibitor	5 mg	
GGACK, Biotinylated, Dihydrochloride	347437	Biotin-X-Glu-Gly-Arg-CMK	Urokinase Inhibitor	1 mg	
H-Glu-Gly-Arg-7-amido-4-methylcoumarin, Hydrochloride	03-32-1526	H-Glu-Gly-Arg-7-amido-4-methylcoumarin, HCl	Urokinase Substrate	5 mg	
Glucagon, Human	05-23-2700	H-His-Ser-Gln-Gly-Thr-Phe-Thr-Ser-Asp-Tyr-Ser-Lys-Tyr-Leu-Asp-Ser-Arg-Arg-Ala-Gln-Asp-Phe-Val-Gln-Trp-Leu-Met-Asn-Thr-OH	Hormones	100 µg 500 µg 1 mg	
H-Gly-Arg-Ala-Asp-Ser-Pro-OH	03-34-0052	H-Gly-Arg-Ala-Asp-Ser-Pro-OH	Cell Adhesion Inhibitor	5 mg 25 mg	
H-Gly-Arg-Gly-Asp-Asn-Pro-OH	03-34-0053	H-Gly-Arg-Gly-Asp-Asn-Pro-OH	Fibronectin Inhibitor	5 mg 25 mg	
H-Gly-Arg-Gly-Asp-Ser-OH	03-34-0027	H-Gly-Arg-Gly-Asp-Ser-OH	Cell Adhesion Inhibitor	5 mg 25 mg	
H-Gly-Arg-Gly-Asp-Ser-Pro-OH	03-34-0035	H-Gly-Arg-Gly-Asp-Ser-Pro-OH	Cell Adhesion Inhibitor	5 mg 25 mg	
H-Gly-Arg-Gly-Asp-Thr-Pro-OH	03-34-0055	H-Gly-Arg-Gly-Asp-Thr-Pro-OH	Cell Adhesion Inhibitor	5 mg 25 mg	
H-Gly-Pro-Arg-Pro-OH	03-34-0001	H-Gly-Pro-Arg-Pro-OH	Fibrinogen Aggregation Inhibitor	5 mg 25 mg	
GP Antagonist-2	371798	Pyr-Glu-D-Trp-Phe-D-Trp-D-Trp-Met-NH_2 (Pyr = L-pyroglutamyl)	G-Protein Antagonist	500 µg	
GP Antagonist-2A	371780	H-Arg-Pro-Lys-Pro-Gln-Gln-D-Trp-Phe-D-Trp-D-Trp-Met-NH_2	G-Protein Antagonist	1 mg	
Gramicidin A, High Purity, *Bacillus brevis*	368020	OHC-Val-Gly-Ala-D-Leu-Ala-D-Val-Val-D-Val-Trp-D-Leu-Trp-D-Leu-Trp-D-Leu-Trp-$NHCH_2CH_2OH$	Ionophore	25 mg	
Granzyme B Inhibitor I	368050	Z-Ala-Ala-Asp-CH_2Cl	Apoptosis Inhibitor	1 mg 5 mg	
Granzyme B Inhibitor II	368055	Ac-Ile-Glu-Thr-Asp-CHO	Apoptosis Inhibitor	1 mg	
Granzyme B Inhibitor IV	368056	Ac-Ile-Glu-Pro-Asp-CHO	Apoptosis Inhibitor	1 mg	
Granzyme B Substrate I, Colorimetric	368057	Ac-Ile-Glu-Thr-Asp-*p*NA	Granzyme Substrate	5 mg	
Granzyme B Substrate II, Fluorogenic	368059	Z-Ile-Glu-Thr-Asp-AFC	Granzyme Substrate	1 mg 5 mg	

PRODUCT	CAT. NO.	PEPTIDE SEQUENCE	FUNCTIONAL CATEGORY	SIZE	PRICE
Granzyme B Substrate III, Fluorogenic	368061	Z-Ala-Ala-Asp-AFC	Granzyme Substrate	5 mg	
Granzyme B Substrate IV	368063	Boc-Ala-Ala-Asp-S-benzyl	Granzyme Substrate	5 mg	
Granzyme B Substrate V, Water-Soluble, Colorimetric	368054	Ac-Ile-Glu-Thr-Asp-*p*NA	Granzyme Substrate	5 mg	
Granzyme B Substrate VI	368065	Ac-Ile-Glu-Pro-Asp-Trp-Gly-Ala-NH_2	Granzyme Substrate	5 mg	
Granzyme B Substrate VII, Colorimetric	368067	Ac-Ile-Glu-Pro-Asp-*p*NA	Granzyme Substrate	5 mg	
Granzyme B Substrate VIII	368066	Ac-Ile-Glu-Pro-Asp-Trp-Asn-Ala-NH_2	Granzyme Substrate	5 mg	
Granzyme B Substrate IX, Fluorogenic	368068	Ac-Ile-Glu-Pro-Asp-AMC	Granzyme Substrate	1 mg 5 mg	
Group III Caspase Inhibitor I	368620	Z-Ala-Glu(OMe)-Val-Asp(OMe)-CH_2F	Apoptosis Inhibitor	1 mg	
Group III Caspase Inhibitor II	368625	Ac-Ala-Glu-Val-Asp-CHO	Apoptosis Inhibitor	1 mg	
Growth Hormone Releasing Factor, Human	05-23-0200	H-Tyr-Ala-Asp-Ala-Ile-Phe-Thr-Asn-Ser-Tyr-Arg-Lys-Val-Leu-Gly-Gln-Leu-Ser-Ala-Arg-Lys-Leu-Leu-Gln-Asp-Ile-Met-Ser-Arg-Gln-Gln-Gly-Glu-Ser-Asn-Gln-Glu-Arg-Gly-Ala-Arg-Ala-Arg-Leu-NH_2	Hormones	100 µg 1 mg	
GSK-3β Substrate	361530	H-Gly-Pro-His-Arg-Ser-Thr-Pro-Glu-Ser-Arg-Ala-Ala-Val-OH	Kinase Substrate	1 mg	
GSK-3β Substrate, Negative Control	361531	H-Gly-Pro-His-Arg-Ala-Thr-Pro-Glu-Ala-Arg-Ala-Ala-Val-OH	Kinase Substrate	1 mg	
HC-Toxin, *Cochliobolus carbonum*	373205	Cyclo-(D-Pro-L-Ala-D-Ala-2-amino-8-oxo-9,10-epoxydecanoic Acid)	Histone Deacetylase Inhibitor	5 mg	
Helodermin	05-23-2800	H-His-Ser-Asp-Ala-Ile-Phe-Thr-Gly-Glu-Tyr-Ser-Lys-Leu-Leu-Ala-Lys-Leu-Ala-Leu-Gln-Lys-Tyr-Leu-Ala-Ser-Ile-Leu-Gly-Ser-Arg-Thr-Ser-Pro-Pro-Pro-NH_2	Adenylate Cyclase Activator	100 µg 500 µg	
HIV Protease Inhibitor	382135	Ac-Leu-Val-phenylalaninal	HIV Protease Inhibitor	1 mg	
HIV Protease Substrate, Fluorogenic	382140	Dns-Ser-Gln-Asn-Tyr-Pro-Ile-Val-OH	HIV Protease Substrate	5 mg	
hSOS (1149-1158) N10 SH3 Binding Domain	385872	H-Val-Pro-Pro-Pro-Val-Pro-Pro-Arg-Arg-Arg-NH_2	SH2 and SH3 Domains	1 mg	
HSP25 Kinase Inhibitor	385880	H-Lys-Lys-Lys-Ala-Leu-Asn-Arg-Gln-Leu-Gly-Val-Ala-Ala-OH	HSP25 and MAP Kinase Inhibitor	1 mg	
Iberiotoxin, *Buthus tamulus*, Recombinant, *E. coli*	401002	Pyr-Phe-Thr-Asp-Val-Asp-Cys^{7}-Ser-Val-Ser-Lys-Glu-Cys^{13}-Trp-Ser-Val-Cis^{17}-Lys-Asp-Leu-Phe-Gly-Val-Asp-Arg-Gly-Lys-Cys^{28}-Met-Gly-Lys-Lys-Cys^{33}-Arg-Cys^{35}-Tyr-Gln-OH (disulfide bonds: 7 →28; 13 → 35; 17 → 33)	Potassium Channel Blocker	10 µg	
ICRM-Serine Protease 1 Substrate, Fluorogenic	401005	Z-Ala-Lys-Arg-AMC, 2HCl	Protease Substrate	25 mg	
IL-1β Inhibitor	400700	EtOCO-Ala-Tyr-Val-Ala-Asp-CHO	Apoptosis Inhibitor	1 mg	
IRL-1038	05-23-3883	H-Cys^{11}-Val-Tyr-Phe-Cys^{15}-His-Leu-Asp-Ile-Ile-Trp-OH (disulfide bond: 11 → 15)	Endothelin Receptor Antagonist	1 mg	
IRL-1620	05-23-3832	Suc-Asp-Glu-Glu-Ala-Val-Tyr-Phe-Ala-His-Leu-Asp-Ile-Ile-Trp-OH	Endothelin Receptor Antagonist	500 µg 1 mg	
JKC-302	05-23-3835	Cyclo(D-Ser-Pro-D-Val-Leu-D-Trp)	Endothelin Receptor Antagonist	1 mg	
Kallikrein Substrate, Fluorogenic	420314	H-D-Val-Leu-Arg-AFC, 2HCl	Kallikrein Substrate	5 mg	
Kemptide	05-23-4900	H-Leu-Arg-Arg-Ala-Ser-Leu-Gly-OH	Protein Kinase Substrate	1 mg 5 mg	
$(Z\text{-}LL)_2$ Ketone	421050	Z-Leu-Leu-NH-CH_2-CO-CH_2-NH-Leu-Leu-Z	Protease Inhibitor	5 mg	
KT7421	05-23-3841	H-Gly-Asn-Trp-His-Gly-Thr-Ala-Pro-Asp-Trp-Val-Tyr-Phe-Ala-His-Leu-Asp-Ile-Ile-Trp-OH	Endothelin Receptor Agonist	500 µg 1 mg	
Lamin Nonapeptide	05-23-3703	H-Cys-Asp-Pro-Gly-Tyr-Ile-Gly-Ser-Arg-OH	Cell Adhesion	1 mg 5 mg	

PRODUCT	CAT. NO.	PEPTIDE SEQUENCE	FUNCTIONAL CATEGORY	SIZE	PRICE
Lamin Pentapeptide Amide	05-23-3701	H-Tyr-Ile-Gly-Ser-Arg-NH_2	Cell Adhesion	1 mg 5 mg 25 mg	
Laminin Hexapeptide	428030	H-Ser-Ile-Lys-Val-Ala-Val-OH	Cell Adhesion	1 mg	
Laminin Pentapeptide	05-23-3700	H-Tyr-Ile-Gly-Ser-Arg-OH	Cell Adhesion	1 mg 5 mg	
Leupeptin Hemisulfate	108975	Ac-Leu-Leu-arginal, hemisulfate	Protease Inhibitor	5 mg 10 mg 25 mg 50 mg 100 mg	
Liver Cell Growth Factor	05-22-1401	H-Gly-His-Lys-OH	Growth Factor	10 mg	
Luteinizing Hormone Releasing Factor	05-23-1050	Pyr-His-Trp-Ser-Tyr-Gly-Leu-Arg-Pro-Gly-NH_2 (Pyr = L-pyroglutamyl)	Hormone	1 mg 5 mg 25 mg	
MAP Kinase Substrate, EGF-Receptor (661-681) T669 Peptide	454857	H-Lys-Arg-Glu-Leu-Val-Glu-Pro-Leu-Thr-Pro-Ser-Gly-Glu-Ala-Pro-Asn-Gln-Ala-Leu-Leu-Arg-OH	MAP Kinase Substrate	1 mg	
MAP Kinase Substrate, Tyrosine Hydroxylase 24-33	454860	H-Lys-Gln-Ala-Glu-Ala-Val-Thr-Ser-Pro-Arg-OH	Protein Kinase Substrate	1 mg	
MARCKS PSD-Derived Peptide, PKC Substrate	454880	H-Lys-Lys-Arg-Phe-Ser-Phe-Lys-Lys-Ser-Phe-Lys-Leu-OH	Protein Kinase Substrate	250 µg	
Margatoxin, *Centruroides margaritatus*	444322	H-Thr-Ile-Ile-Asn-Val-Lys-Cys^{7}-Thr-Ser-Pro-Lys-Gln-Cys^{13}-Leu-Pro-Pro-Cys^{17}-Lys-Ala-Gln-Phe-Gly-Gln-Ser-Ala-Gly-Ala-Lys-Cys^{29}-Met-Asn-Gly-Lys-Cys^{34}-Lys-Cys^{36}-Tyr-Pro-His-OH (disulfide bonds: 7 → 29; 13 → 34; 17 → 36)	Potassium Channel Blocker	5 µg	
Margatoxin, Recombinant, *E. coli*	444324	H-Thr-Ile-Ile-Asn-Val-Lys-Cys^{7}-Thr-Ser-Pro-Lys-Gln-Cys^{13}-Leu-Pro-Pro-Cys^{17}-Lys-Ala-Gln-Phe-Gly-Gln-Ser-Ala-Gly-Ala-Lys-Cys^{29}-Met-Asn-Gly-Lys-Cys^{34}-Lys-Cys^{36}-Tyr-Pro-His-OH (disulfide 7 →29; 13 →34; 17 → 36)	Potassium Channel Blocker	10 µg	
MAS 7	444896	H-Ile-Asn-Leu-Lys-Ala-Leu-Ala-Ala-Leu-Ala-Lys-Ala-Leu-Leu-NH_2	G-Protein Activator	1 mg	
Mastoparan	444898	H-Ile-Asn-Leu-Lys-Ala-Leu-Ala-Ala-Leu-Ala-Lys-Lys-Ile-Leu-NH_2	G-Protein Activator	1 mg	
Mastoparan 8	444901	H-Ile-Asn-Leu-Lys-Ala-Leu-Ala-Ala-Leu-Ala-Lys-Arg-Leu-Leu-NH_2	G-Protein Activator	1 mg	
Mastoparan 17	444902	H-Ile-Asn-Leu-Lys-Ala-Leu-Ala-Ala-Leu-Ala-Lys-Lys-Leu-Leu-NH_2	G-Protein Activator	1 mg	
Mastoparan X	444903	H-Ile-Asn-Trp-Lys-Gly-Ile-Ala-Ala-Met-Ala-Lys-Lys-Leu-Leu-NH_2	G-Protein Activator	1 mg	
α-Mating Factor, Yeast	05-23-5300	H-Trp-His-Trp-Leu-Gln-Leu-Lys-Pro-Gly-Gln-Pro-Met-Tyr-OH	DNA Synthesis Inhibitor	1 mg 5 mg	
α-Melanocyte-Stimulating Hormone	05-23-0751	Ac-Ser-Tyr-Ser-Met-Glu-His-Phe-Arg-Trp-Gly-Lys-Pro-Val-NH_2	Hormone	1 mg 5 mg	
[Nle^{4},D-Phe^{7}]-α-Melanocyte-Stimulating Hormone	05-23-0756	Ac-Ser-Tyr-Ser-Nle-Glu-His-D-Phe-Arg-Trp-Gly-Lys-Pro-Val-NH_2	Hormone	1 mg 5 mg	
Melittin	444605	H-Gly-Ile-Gly-Ala-Val-Leu-Lys-Val-Leu-Thr-Thr-Gly-Leu-Pro-Ala-Leu-Ile-Ser-Trp-Ile-Lys-Arg-Lys-Arg-Gln-Gln-NH_2	G-Protein Activator/PLA_2 Activator	250 µg	
Methoxysuccinyl-Ala-Ala-Pro-Val-*p*-nitroanilide, Methanol Adduct	454454	MeOSuc-Ala-Ala-Pro-Val-*p*NA, MeOH	Elastase Substrate	10 mg 50 mg 100 mg	
MG-115	474780	Z-Leu-Leu-Nva-CHO	Proteasome Inhibitor	5 mg	

PRODUCT	CAT. NO.	PEPTIDE SEQUENCE	FUNCTIONAL CATEGORY	SIZE	PRICE
MG-132	474790	Z-Leu-Leu-Leu-CHO	Proteasome Inhibitor	1 mg 5 mg	
MMP Inhibitor I	444250	4-Abz-Gly-Pro-D-Leu-D-Ala-NH-OH [Abz = 2-aminobenzoyl (anthraniloyl)]	MMP Inhibitor	10 mg	
MMP Inhibitor IV	444271	HONH-$COCH_2CH_2CO$-Phe-Ala-NH_2	MMP Inhibitor	5 mg	
MMP Substrate, Fluorogenic	444207	DNP-Pro-Leu-Gly-Leu-Trp-Ala-D-Arg-NH_2	MMP Substrate	1 mg	
MMP Substrate II	444272	DNP-Gly-Pro-Leu-Gly-Met-Arg-Gly-Leu-NH_2	MMP Substrate	1 mg 5 mg	
MMP Substrate II, Control	444273	DNP-Gly-Pro-Leu-Gly-OH	MMP Substrate Control	1 mg	
MMP Substrate II, Fluorogenic	444254	FTC-Pro-Leu-Ala-Leu-Trp-Ala-Arg-Lys(Biotin)-NH_2 (FTC = Fluorescein-thiocarbamoyl)	MMP Substrate	500 µg	
MMP Substrate III, Fluorogenic	444256	DABCYL-GABA-Pro-Gln-Gly-Leu-Glu(EDANS)-Ala-Lys-NH_2	MMP Substrate	500 µg	
MMP Substrate IV, Fluorogenic	444257	DABCYL-GABA-Arg-Pro-Lys-Pro-Val-Glu-Nva-Trp-Arg-Glu(EDANS)-Ala-Lys-HN_2	MMP Substrate	500 µg	
MMP-1 Substrate I, Fluorogenic	444211	DNP-Pro-Leu-Ala-Leu-Trp-Ala-Arg-OH	MMP Substrate	5 mg	
MMP-1 Substrate II	444216	DNP-Pro-Leu-Gly-Cys(Me)-His-Ala-D-Arg-NH_2	MMP Substrate	1 mg	
MMP-1 Substrate III, Fluorogenic	444219	DNP-Pro-Cha-Abu-Cys(Me)-His-Ala-Lys(N-Me-Abz)-NH_2 [Cha = β-cyclo-hexylalanyl; Abu = L-α-aminobutyryl; Abz = 2-aminobenzoyl (anthraniloyl)]	MMP Substrate	1 mg	
MMP-1/MMP-9 Substrate, Fluorogenic	444221	{DNP-Pro-Cha-Gly-Cys(Me)-His-Ala-Lys(N-Me-Abz)-NH_2 [Cha = β-cyclo-hexylalanyl; Abz = 2-aminobenzoyl (anthraniloyl)]	MMP Substrate	1 mg	
MMP-2 Substrate, Fluorogenic	444212	MCA-Pro-Leu-Ala-Nva-Dpa-Ala-Arg-NH_2 [Dpa = 3-(2,4-dinitrophenyl)-L-2,3-diaminopropionyl]	MMP Substrate	1 mg	
MMP-2/MMP-7 Control, Fluorometric	03-32-5033	MCA-Pro-Leu-OH	MMP Substrate	1 mg	
MMP-2/MMP-7 Substrate, Fluorogenic	03-32-5032	MCA-Pro-Leu-Gly-Leu-Dpa-Ala-Arg-NH_2 •TFA [Dpa = N-3-(2,4-dinitrophenyl)-L-2,3-diaminopropionyl]	MMP Substrate	1 mg	
MMP-2/MMP-9 Inhibitor III	444251	H-Cys^1-Thr-Thr-His-Trp-Gly-Phe-Thr-Leu-Cys^{10}-OH (cyclic: 1→ 10)	MMP Inhibitor	1 mg	
MMP-2/MMP-9 Substrate I, Fluorogenic	444215	DNP-Pro-Leu-Gly-Met-Trp-Ser-Arg-OH	MMP Substrate	5 mg	
MMP-2/MMP-9 Substrate II	444224	Ac-Pro-Leu-Gly-SCH[$CH_2CH(CH_3)_2$]-CO-Leu-Gly-OC_2H_5	MMP Substrate	5 mg	
MMP-3 Inhibitor I	444218	Ac-Arg-Cys-Gly-Val-Pro-Asp-NH_2	MMP Inhibitor	5 mg	
MMP-3 Substrate I, Fluorogenic	444220	DNP-Pro-Tyr-Ala-Tyr-Trp-Met-Arg-OH	MMP Substrate	5 mg	
MMP-3 Substrate II, Fluorogenic	444223	NBD-Arg-Pro-Lys-Pro-Leu-Ala-Nva-Trp-Lys(DMC)-NH_2 DMC = 7-dimethylaminocoumarin-4-yl)	MMP Substrate	500 µg	
MMP-7 Substrate, Fluorogenic	444228	DNP-Arg-Pro-Leu-Ala-Leu-Trp-Arg-Ser-OH	MMP Substrate	1 mg	
MMP-8 Substrate, Fluorogenic	444230	DNP-Pro-Leu-Ala-Tyr-Trp-Ala-Arg-OH	MMP Substrate	5 mg	
MMP-13 Substrate, Fluorogenic	444235	MCA-Pro-Cha-Gly-Nva-His-Ala-Dpa-NH_2 [Cha = L-cyclohexylalanine; Dpa = 3-(2,4-dinitrophenyl)-L-2,3-diaminopropionyl]	MMP Substrate	1 mg	
MMP-14 Substrate I, Fluorogenic	444258	MCA-Pro-Leu-Ala-Cys(p-OMeBz)-Trp-Ala-Arg(Dpa)-NH_2 [Dpa = N^{3-}(2,4-dinitrophenyl)-L-2,3-diaminopropionyl; Bz = Benzyl]	MMP Substrate	1 mg	
MMP-14 Substrate II, Fluorogenic	444259	DANSYL-Pro-Leu-Ala-Cys(*p*-OMeBz)-Trp-Ala-Arg-NH_2 (Bz = Benzyl)	MMP Substrates	1 mg	
MT-3, *Dendroaspis augusticeps*	475910	H-Leu-Thr-Cys-Val-Thr-Lys-Asn-Thr-Ile-Gly-Gly-Ile-Thr-Thr-Glu-Asn-Cys-Pro-Ala-Gly-Gln-Asn-Leu-Cys-Phe-Lys-Arg-Trp-His-Tyr-Val-Ile-Pro-Arg-Tyr-Thr-Glu-Ile-Thr-Arg-Gly-Cys-Ala-Ala-Thr-Cys-Pro-Ile-Pro-Glu-Asn-Tyr-Asp-Ser-Ile-His-Cys-Cys-Lys-Thr-Asp-Lys-Cys-Asn-Glu-OH	Cholinergic Agonist	10 µg	

PRODUCT	CAT. NO.	PEPTIDE SEQUENCE	FUNCTIONAL CATEGORY	SIZE	PRICE
Myelin Basic Protein Peptide Substrate	475920	H-Ala-Pro-Arg-Thr-Pro-Gly-Gly-Arg-Arg-OH	Protein Kinase Substrate	1 mg	
Myosin Light Chain Kinase Inhibitor Peptide 480-501	05-23-1700	H-Ala-Lys-Lys-Leu-Ser-Lys-Asp-Arg-Met-Lys-Lys-Tyr-Met-Ala-Arg-Arg-Lys-Trp-Gln-Lys-Thr-Gly-NH_2	Myosin Light Chain Kinase Inhibitor	500 µg 1 mg	
MZ-4-71	476500	2-Methylpropionyl-Tyr-D-Arg-Asp-Ala-Ile-Phe(*p*Cl)-Thr-Asn-Ser-Tyr-Arg-Lys-Val-Leu-Abu-Gln-Leu-Ser-Ala-Arg-Lys-Leu-Leu-Gln-Asp-Ile-Nle-Ser-Agm (Agm = agmatine; Abu = L-α--aminobutyric acid)	Hormone Antagonist	500 µg	
MZ-4-169	476503	Naphthylacetyl-Tyr-D-Arg-Asp-Ala-Ile-Phe(*p*Cl)-Thr-Asn-Ser-Tyr-Arg-Lys-Val-Leu-Abu-Gln-Leu-Ser-Ala-Arg-Lys-Leu-Leu-Gln-Asp-Ile-Nle-Ser-Arg-NH_2 (Abu = L-α-aminobutyric acid)	Hormone Antagonist	500 µg	
MZ-4-181	476506	Naphthylacetyl-His-D-Arg-Asp-Ala-Ile-Phe(*p*Cl)-Thr-Asn-Ser-Tyr-Arg-Lys-Val-Leu-Abu-Gln-Leu-Ser-Ala-Arg-Lys-Leu-Leu-Gln-Asp-Ile-Nle-Ser-Arg-NH_2 (Abu = L-α-aminobutyric acid)	Hormones Antagonist	500 µg	
Natriuretic Peptide, C-Type, Human and Porcine	05-23-0310	H-Gly-Leu-Ser-Lys-Gly-Cys^6-Phe-Gly-Leu-Lys-Leu-Asp-Arg-Ile-Gly-Ser-Met-Ser-Gly-Leu-Gly-Cys^{22}-OH (disulfide bond: 6 → 22)]	Atrial Natriuretic Factor	500 µg 1 mg	
NEMO-Binding Domain Binding Peptide, Cell Permeable	480025	H-Asp-Arg-Gln-Ile-Lys-Ile-Trp-Phe-Gln-Asn-Arg-Arg-Met-Lys-Trp-Lys-Lys-Thr-Ala-Leu-Asp-Trp-Ser-Trp-Leu-Gln-Thr-Glu-OH	NF-κB Inhibitor	500 µg	
NEMO-Binding Domain Binding Peptide, Negative Control	480030	H_2N-Asp-Arg-Gln-Ile-Lys-Ile-Trp-Phe-Gln-Asn-Arg-Arg-Met-Lys-Trp-Lys-Lys-Thr-Ala-Leu-Asp-Ala-Ser-Ala-Leu-Gln-Thr-Glu-OH	NF-κB Inhibitor	500 µg	
Neurokinin A	05-23-0701	H-His-Lys-Thr-Asp-Ser-Phe-Val-Gly-Leu-Met-NH_2	Tachykinin	500 µg 1 mg	
[βAla^8]-Neurokinin A 4-10	05-23-0713	H-Asp-Ser-Phe-Val-β;Ala-Leu-Met-NH_2	Tachykinin	1 mg 5 mg	
[Nle^{10}]-Neurokinin A 4-10	05-23-0712	H-Asp-Ser-Phe-Val-Gly-Leu-Nle-NH_2	Tachykinin	1 mg 5 mg	
Neurokinin B	05-23-0700	H-Asp-Met-His-Asp-Phe-Phe-Val-Gly-Leu-Met-NH_2	Tachykinin	1 mg	
[$MePhe^7$]-Neurokinin B	05-23-0711	H-Asp-Met-His-Asp-Phe-Phe-MePhe-Gly-Leu-Met-NH_2	Tachykinin	1 mg 5 mg	
Neuropeptide Y, Human	05-23-2005	H-Tyr-Pro-Ser-Lys-Pro-Asp-Asn-Pro-Gly-Glu-Asp-Ala-Pro-Ala-Glu-Asp-Met-Ala-Arg-Tyr-Tyr-Ser-Ala-Leu-Arg-His-Tyr-Ile-Asn-Leu-Ile-Thr-Arg-Gln-Arg-Tyr-NH_2	Neuropeptide	500 µg 1 mg	
Neuropeptide Y, Porcine	05-23-2000	H-Tyr-Pro-Ser-Lys-Pro-Asp-Asn-Pro-Gly-Glu-Asp-Ala-Pro-Ala-Glu-Asp-Leu-Ala-Arg-Tyr-Tyr-Ser-Ala-Leu-Arg-His-Tyr-Ile-Asn-Leu-Ile-Thr-Arg-Gln-Arg-Tyr-NH_2	Neuropeptide	100 µg 500 µg 1 mg	
Neuropeptide Y 13-36, Porcine	05-23-2007	H-Pro-Ala-Glu-Asp-Leu-Ala-Arg-Tyr-Tyr-Ser-Ala-Leu-Arg-His-Tyr-Ile-Asn-Leu-Ile-Thr-Arg-Gln-Arg-Tyr-NH_2	Neuropeptide	1 mg 5 mg	
[Leu^{31},Pro^{34}]-Neuropeptide Y, Porcine	05-23-2006	H-Tyr-Pro-Ser-Lys-Pro-Asp-Asn-Pro-Gly-Glu-Asp-Ala-Pro-Ala-Glu-Asp-Leu-Ala-Arg-Tyr-Tyr-Ser-Ala-Leu-Arg-His-Tyr-Ile-Asn-Leu-Leu-Thr-Arg-Pro-Arg-Tyr-NH_2	Neuropeptide	500 µg 1 mg	
Neurotensin	05-23-1200	Pyr-Leu-Tyr-Glu-Asn-Lys-Pro-Arg-Arg-Pro-Tyr-Ile-Leu-OH	Neuropeptide	1 mg 5 mg 25 mg	
NFAT Inhibitor	480402	H-Met-Ala-Gly-Pro-His-Pro-Val-Ile-Val-Ile-Thr-Gly-Pro-His-Glu-Glu-OH	Immunomodulator	500 µg	
NFF-2	480450	MCA-Arg-Pro-Lys-Pro-Tyr-Ala-Nva-Trp-Met-Lys(DNP)-NH_2 (DNP = 2,4-dinitrophenyl)	MMP Substrate	1 mg	
NFF-2/NFF-3 Standard	480456	MCA-Arg-Pro-Lys-Pro-Gln-OH	MMP Substrate	1 mg	

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NFF-3	480455	MCA-Arg-Pro-Lys-Pro-Val-Glu-Nva-Trp-Arg-Lys(DNP)-NH_2 (DNP = 2,4-dinitrophenyl)	MMP Substrate	1 mg	
NF-κB SN50, Cell-Permeable Inhibitor Peptide	481480	H-Ala-Ala-Val-Ala-Leu-Leu-Pro-Ala-Val-Leu-Leu-Ala-Leu-Leu-Ala-Pro-Val-Gln-Arg-Lys-Arg-Gln-Lys-Leu-Met-Pro-OH	Inhibitor of NF-κB Activation	500 µg	
NF-κB SN50, Cell-Permeable Inactive Control Peptide	481486	H-Ala-Ala-Val-Ala-Leu-Leu-Pro-Ala-Val-Leu-Leu-Ala-Leu-Leu-Ala-Pro-Val-Gln-Arg-Asn-Gly-Gln-Lys-Leu-Met-Pro-OH	Inhibitor of NF-κB Activation	500 µg	
NLVS	482240	4-Hydroxy-5-Iodo-3-nitrophenylacetyl-Leu-Leu-Leu-vinylsulfone	Proteasome Inhibitor	500 µg	
Nociceptin	487960	H-Phe-Gly-Gly-Phe-Thr-Gly-Ala-Arg-Lys-Ser-Ala-Arg-Lys-Leu-Ala-Asn-Gln-OH	Neuropeptide	1 mg	
Noxiustoxin, *Centruroides noxius*	492010	H-Thr-Ile-Ile-Asn-Val-Lys-Cys^7-Thr-Ser-Pro-Lys-Gln-Cys^{13}-Ser-Lys-Pro-Cys^{17}-Lys-Glu-Leu-Tyr-Gly-Ser-Ser-Ala-Gly-Ala-Lys-Cys^{29}-Met-Asn-Gly-Lys-Cys^{34}-Lys-Cys^{36}-Tyr-Asn-Asn-NH_2 (disulfide bonds: 7 → 29; 13 → 34; 17 → 36)	Neuropeptide	5 µg	
Noxiustoxin, Recombinant, *E. coli*	492012	H-Thr-Ile-Ile-Asn-Val-Lys-Cys^7-Thr-Ser-Pro-Lys-Gln-Cys^{13}-Ser-Lys-Cys^{17}-Lys-Glu-Leu-Tyr-Gly-Ser-Ser-Ala-Gly-Ala-Lys-Cys^{29}-Met-Asn-Gly-Lys-Cys^{34}-Lys-Cys^{36}-Tyr-Asn-Asn-NH_2 (disulfide 7 →29; 13 →34; 17 →36)	Neuropeptide	10 µg	
NP-LLL-VS	492025	4-Hydroxy-3-nitrophenylacetyl-Leu-Leu-Leu-vinylsulfone	Proteasome Inhibitor	500 µg	
Orexin A	496900	H-Pyr-Pro-Leu-Pro-Asp-Cys^6-Cys^7-Arg-Gln-Lys-Thr-Cys^{12}-Ser-Cys^{14}-Arg-Leu-Tyr-Glu-Leu-Leu-His-Gly-Ala-Gly-Asn-His-Ala-Ala-Gly-Ile-Leu-Thr-Leu-NH_2 (disulfide bonds: 6 →12; 7 →14)	Neuropeptide	100 µg	
Orexin B, Human	496902	H-Arg-Ser-Gly-Pro-Pro-Gly-Leu-Gln-Gly-Arg-Leu-Gln-Arg-Leu-Leu-Gln-Ala-Ser-Gly-Asn-His-Ala-Ala-Gly-Ile-Leu-Thr-Met-NH_2	Neuropeptide	500 µg	
Oxytocin	05-23-0151	H-Cys^1-Tyr-Ile-Gln-Asn-Cys^6-Pro-Leu-Gly-NH_2 (disulfide bond: 1 → 6)	Hormone	1 mg 5 mg 25 mg	
p34cdk1 Substrate	219425	H-Ala-Asp-Ala-Gln-His-Ala-Thr-Pro-Pro-Lys-Lys-Lys-Arg-Lys-Val-Glu-Asp-Pro-Lys-Asp-Phe-OH	Protein Kinase Substrate	500 µg	
p53 Activator, Cell-Permeable	506131	H-Gly-Ser-Arg-Ala-His-Ser-Ser-His-Leu-Lys-Ser-Lys-Lys-Gly-Gln-Ser-Thr-Ser-Arg-His-Lys-Lys-Trp-Lys-Met-Arg-Arg-Asn-Gln-Phe-Trp-Val-Lys-Val-Gln-Arg-Gly-OH	Apoptosis Inducer	500 µg	
$p60^{c\text{-}src}$ Peptide 521-533	567800	H-Thr-Ser-Thr-Glu-Pro-Gln-Tyr-Gln-Pro-Gly-Glu-Asn-Leu-OH	Kinase Regulatory Peptide	1 mg	
$p60^{c\text{-}src}$ Peptide 521-533, Phosphorylated	567801	H-Thr-Ser-Thr-Glu-Pro-Gln-Tyr(PO_3H_2)-Gln-Pro-Gly-Glu-Asn-Leu-OH	Src Kinase Inhibitor/ Phosphatase Peptide	1 mg	
$p60^{c\text{-}src}$ Substrate I	567810	H-Tyr-Ile-Tyr-Gly-Ser-Phe-Lys-OH	Protein Kinase Substrate	1 mg	
$p60^{c\text{-}src}$ Substrate II	567812	Ac-Ile-Tyr-Gly-Glu-Phe-NH_2	Protein Kinase Substrate	1 mg	
$p60^{c\text{-}src}$ Substrate II, Phosphorylated	567814	Ac-Ile-Tyr(PO_3H_2)-Gly-Glu-Phe-NH_2	Protein Kinase Substrate	1 mg	
PACAP 27 Amide, Ovine	05-23-2151	H-His-Ser-Asp-Gly-Ile-Phe-Thr-Asp-Ser-Tyr-Ser-Arg-Tyr-Arg-Lys-Gln-Met-Ala-Val-Lys-Lys-Tyr-Leu-Ala-Ala-Val-Leu-NH_2	Adenylate Cyclase Activator	100 µg 500 µg 1 mg	
PACAP 38, Ovine	05-23-2150	H-His-Ser-Asp-Gly-Ile-Phe-Thr-Asp-Ser-Tyr-Ser-Arg-Tyr-Arg-Lys-Gln-Met-Ala-Val-Lys-Lys-Tyr-Leu-Ala-Ala-Val-Leu-Gly-Lys-Arg-Tyr-Lys-Gln-Arg-Val-Lys-Asn-Lys-NH_2	Adenylate Cyclase Activator	100 µg 500 µg 1 mg	
Papain Substrate, Colorimetric	512530	Ac-Phe-Gly-*p*NA	Papain Substrate	3 mg	
Parathyroid Hormone 1-34, Bovine	512550	H-Ala-Val-Ser-Glu-Ile-Gln-Phe-Met-His-Asn-Leu-Gly-Lys-His-Leu-Ser-Ser-Met-Glu-Arg-Val-Glu-Trp-Leu-Arg-Lys-Lys-Leu-Gln-Asp-Val-His-Asn-Phe-OH	Hormone	50 µg	

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Parathyroid Hormone 1-34, Human	05-23-5501	H-Ser-Val-Ser-Glu-Ile-Gln-Leu-Met-His-Asn-Leu-Gly-Lys-His-Leu-Asn-Ser-Met-Glu-Arg-Val-Glu-Trp-Leu-Arg-Lys-Lys-Leu-Gln-Asp-Val-His-Asn-Phe-OH	Hormone	0.5 mg 1 mg	
Parathyroid Hormone 1-34, Rat	512585	H-Ala-Val-Ser-Glu-Ile-Gln-Leu-Met-His-Asn-Leu-Gly-Lys-His-Leu-Ala-Ser-Val-Glu-Arg-Met-Gly-Trp-Leu-Arg-Lys-Lys-Leu-Gln-Asp-Val-His-Asn-Phe-OH	Hormone	100 µg	
Parathyroid Hormone 1-84, Bovine, Iodination Grade	512605	H-Ala-Val-Ser-Glu-Ile-Gln-Phe-Met-His-Asn-Leu-Gly-Lys-His-Leu-Ser-Ser-Met-Glu-Arg-Val-Glu-Trp-Leu-Arg-Lys-Lys-Leu-Gln-Asp-Val-His-Asn-Phe-Val-Ala-Leu-Gly-Ala-Ser-Ile-Ala-Tyr-Arg-Asp-Gly-Ser-Ser-Gln-Arg-Pro-Arg-Lys-Lys-Glu-Asp-Asn-Val-Leu-Val-Glu-Ser-His-Gln-Lys-Ser-Leu-Gly-Glu-Ala-Asp-Lys-Ala-Asp-Val-Asp-Val-Leu-Ile-Lys-Ala-Lys-Pro-Gln-OH	Hormone	10 µg	
PC1 Inhibitor	512900	Ac-Leu-Leu-Arg-Val-Lys-Arg-NH_2	Prohormone Convertase Inhibitor	1 mg	
PD 142893	513015	Ac-D-Dip-Leu-Asp-Ile-Ile-Trp-OH (Dip = 3,3′-diphenylalanine)	Endothelin Receptor Antagonist	500 µg	
PD 145065	513020	Ac-D-Bhg-Leu-Asp-Ile-Ile-Trp-OH (Bhg = 5H-dibenzo[a,d]cycloheptene-5-glycine)	Endothelin Receptor Antagonist	500 µg	
PD 156252	513025	Ac-D-Bhg-Leu-Asp-Ile-(NMe)Ile-Trp-OH (Bhg = 5H-dibenzo[a,d]cycloheptene-5-glycine)	Endothelin Receptor Antagonist	500 µg	
Pepstatin A	516482	Isovaleryl-Val-Val-4-NH_2-3-OH-6-methyl-heptanoyl-Ala-4-NH_2-3-hydroxy-6-methylheptanoic Acid	Protease Inhibitor	5 mg 25 mg 100 mg 250 mg	
Z-Phe-Arg-7-amido-4-methylcoumarin, Hydrochloride	03-32-1501	Z-Phe-Arg-AMC, HCl	Kallikrein Substrate	5 mg 25 mg 100 mg	
Plasminogen Activator Substrate	528198	Boc-Val-Gly-Arg-βNA, AcOH (βNA = β-naphthylamide)	Plasminogen Activator	25 mg	
PPACK, Dihydrochloride	520222	D-Phe-Pro-Arg-chloromethylketone, 2HCl	Thrombin Inhibitor	5 mg 25 mg	
PPACK, Dihydrochloride, Biotinylated	520224	Biotin-D-Phe-Pro-Arg-chloromethylketone, 2HCl	Thrombin Inhibitor	1 mg	
PPIase Substrate I, Colorimetric	529630	Suc-Ala-Leu-Pro-Phe-*p*NA	Peptidyl Prolyl Somerase Substrate	5 mg	
PPIase Substrate II, Fluorogenic	529635	Suc-Ala-Leu-Pro-Phe-AMC	Peptidyl Prolyl Somerase Substrate	5 mg	
H-Pro-Phe-Arg-7-amido-4-methylcoumarin, Dihydrochloride	03-32-1547	Pro-Phe-Arg-AMC, 2HCl	Kallikrein Substrate	5 mg 100 mg	
Pro-TNF-α-Processing Enzyme Substrate	539765	DNP-Ser-Pro-Leu-Ala-Gln-Ala-Val-Arg-Ser-Ser-Arg-NH_2	ProTNF-α Converting Enzyme Substrate	500 µg	
Prolyl Endopeptidase Inhibitor	537010	Boc-Glu(NHO-Bz)-Pyr (Pyr = L-pyroglutamyl)	Protease Inhibitor	1 mg	
Proteasome Activator/Substrate	539157	Z-Glu(OtBu)-Ala-Leu-*p*NA	Proteasome Activator / Substrate	5 mg	
Proteasome Inhibitor I	539160	Z-Ile-Glu(OtBu)-Ala-Leu-CHO	Proteasome Inhibitor	1 mg 5 mg	
Proteasome Inhibitor II	539162	Z-Leu-Leu-Phe-CHO	Proteasome Inhibitor	1 mg 5 mg	
Proteasome Inhibitor III	539163	Z-Leu-Leu-Leu-$B(OH)_2$	Proteasome Inhibitor	100 µg	
Proteasome Substrate I, Fluorogenic	539140	Z-Leu-Leu-Leu-AMC	Proteasome Substrate	5 mg	
Proteasome Substrate II, Fluorogenic	539141	Z-Leu-Leu-Glu-AMC	Proteasome Substrate	5 mg	
Proteasome Substrate III, Fluorogenic	539142	Suc-Leu-Leu-Val-Tyr-AMC	Proteasome Substrate	5 mg	
Proteasome Substrate IV, Fluorogenic	539143	Z-Val-Lys-Met-AMC	Proteasome Substrate	5 mg	
Proteasome Substrate V, Fluorogenic	539144	Z-Gly-Gly-Leu-AMC	Proteasome Substrate	5 mg	

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Proteasome Substrate VI, Fluorogenic	539149	Z-Ala-Arg-Arg-AMC • 2HCl	Proteasome Substrate	5 mg	
Proteasome Substrate VII, Fluorogenic	539151	Abz-Gly-Pro-Ala-Leu-Ala-Nba (Abz = *o*-aminobenzoyl; Nba = nitrobenzylamide)	Proteasome Substrate	1 mg	
Protein C, Activated, Substrate	539222	Boc-Leu-Ser-Thr-Arg-AMC, AcOH	Protein C Substrate	25 mg	
Protein Kinase A Inhibitor 14-22 Amide, Cell-Permeable, Myristoylated	476485	Myr-N-Gly-Arg-Thr-Gly-Arg-Arg-Asn-Ala-Ile-NH_2	Protein Kinase A Inhibitor	500 µg	
Protein Kinase A Inhibitor 5-24	116805	H-Thr-Thr-Tyr-Ala-Asp-Phe-Ile-Ala-Ser-Gly-Arg-Thr-Gly-Arg-Arg-Asn-Ala-Ile-His-Asp-OH	Protein Kinase A Inhibitor	500 µg	
Protein Kinase A Inhibitor 6-22 Amide	539684	H-Thr-Tyr-Ala-Asp-Phe-Ile-Ala-Ser-Gly-Arg-Thr-Gly-Arg-Arg-Asn-Ala-Ile-NH_2	Protein Kinase A Inhibitor	1 mg	
Protein Kinase Bα Substrate	539622	H-Arg-Pro-Arg-Ala-Ala-Thr-Phe-NH_2	Protein Kinase Substrate	1 mg	
Protein Kinase C Inhibitor 19-27, Cell-Permeable, Myristoylated	476480	Myr-N-Arg-Phe-Ala-Arg-Lys-Gly-Ala-Leu-Arg-Gln-NH_2	Protein Kinase C Inhibitor	500 µg	
Protein Kinase C Inhibitor Peptide 19-31	05-23-4904	H-Arg-Phe-Ala-Arg-Lys-Gly-Ala-Leu-Arg-Gln-Lys-Asn-Val-OH	Protein Kinase C Inhibitor	1 mg 5 mg	
Protein Kinase C Inhibitor Peptide 19-36	539560	H-Arg-Phe-Ala-Arg-Lys-Gly-Ala-Leu-Arg-Gln-Lys-Asn-Val-His-Glu-Val-Lys-Asn-OH	Protein Kinase C Inhibitor	500 µg 1 mg	
Protein Kinase C Inhibitor, EGF-R Fragment 651-658, Myrostoylated	476475	Myr-N-Arg-Lys-Arg-Thr-Leu-Arg-Arg-Leu-OH	Protein Kinase C Inhibitor	500 µg	
Protein Kinase C Selectide™ Substrate	527151	H-Ala-Ala-Lys-Ile-Gln-Ala-Ser-Phe-Arg-Gly-His-Met-Ala-Arg-Lys-Lys-OH	Protein Kinase Substrate	500 µg	
Protein Kinase C Specific Substrate	527155	H-Arg-Arg-Gly-Arg-Thr-Gly-Arg-Gly-Arg-Arg-Gly-Ile-Phe-Arg-OH	Protein Kinase Substrate	500 µg	
Protein Kinase C Substrate, Glycogen Synthase 1-8	361600	H-Pro-Leu-Ser-Arg-Thr-Leu-Ser-Val-Ala-Ala-Lys-Lys-NH_2	Protein Kinase Substrate	500 µg	
Protein Kinase C Substrate, MBP 4-14	539492	*p*Glu-Glu-Lys-Arg-Pro-Ser-Gln-Arg-Ser-Lys-Tyr-Leu-OH	Protein Kinase Substrate	1 mg	
Protein Kinase C_β C2-4 Inhibitor	539561	H-Ser-Leu-Asn-Pro-Glu-Trp-Asn-Glu-Thr-OH	Protein Kinase C Inhibitor	1 mg	
Protein Kinase C_δ Peptide Substrate	539563	H-Arg-Phe-Ala-Val-Arg-Asp-Met-Arg-Gln-Thr-Val-Ala-Val-Gly-Val-Ile-Lys-Ala-Val-Asp-Lys-Lys-OH	Protein Kinase Substrate	500 µg	
Protein Kinase C_ε Peptide Substrate	539562	H-Glu-Arg-Met-Arg-Pro-Arg-Lys-Arg-Gln-Gly-Ser-Val-Arg-Arg-Arg-Val-OH	Protein Kinase Substrate	500 µg	
Protein Kinase C_ε Translocation Inhibitor Peptide	539522	H-Glu-Ala-Val-Ser-Leu-Lys-Pro-Thr-OH	Protein Kinase C Inhibitor	5 mg	
Protein Kinase C_ε Translocation Inhibitor Peptide, Negative Control	539542	H-Leu-Ser-Glu-Thr-Lys-Pro-Ala-Val-OH	Protein Kinase C Inhibitor	5 mg	
Protein Kinase C_μ Peptide Substrate	539564	H-Ala-Ala-Leu-Val-Arg-Gln-Met-Ser-Val-Ala-Phe-Phe-Phe-Lys-OH	Protein Kinase Substrate	500 µg	
Protein Kinase C_η Pseudosubstrate Inhibitor	539602	H-Thr-Arg-Lys-Arg-Gln-Arg-Ala-Met-Arg-Arg-Arg-Val-His-Gln-Ile-Asn-Gly-NH_2	Protein Kinase C Inhibitor	500 µg	
Protein Kinase C_η Pseudosubstrate Inhibitor, Myristoylated	539604	Myr-Thr-Arg-Lys-Arg-Gln-Arg-Ala-Met-Arg-Arg-Arg-Val-His-Gln-Ile-Asn-Gly-NH_2	Protein Kinase C Inhibitor	500 µg	
Protein Kinase C_ζ Pseudosubstrate Inhibitor	539610	H-Ser-Ile-Tyr-Arg-Arg-Gly-Ala-Arg-Arg-Arg-Trp-Arg-Lys-Leu	Protein Kinase C Inhibitor	500 µg	
Protein Kinase C-Selective Substrate	527154	Ac-Phe-Lys-Lys-Ser-Phe-Lys-Leu-NH_2	Protein Kinase Substrate	500 µg	
Protein Kinase G Inhibitor	370654	H-Arg-Lys-Arg-Ala-Arg-Lys-Glu-OH	Protein Kinase G Inhibitor	1 mg	
Protein Kinase G Iα Inhibitor, Cell-Permeable	370655	H-Arg-Gln-Ile-Lys-Ile-Trp-Phe-Gln-Asn-Arg-Arg-Met-Lys-Trp-Lys-Lys-Leu-Arg-Lys-Lys-Lys-Lys-Lys-His-OH	Protein Kinase G Inhibitor	1 mg	
Protein Kinase G Substrate, BPDEtide	203678	H-Arg-Lys-Ile-Ser-Ala-Ser-Glu-Phe-Asp-Arg-Pro-Leu-Arg-OH	Protein Kinase Substrate	1 mg	
Protein Kinase G Substrate, Glasstide	539626	H-Arg-Lys-Arg-Ser-Arg-Ala-Glu-OH	Protein Kinase Substrate	1 mg	
Protein Kinase G Substrate, G-Subtide	539628	H-Gln-Lys-Arg-Pro-Arg-Arg-Lys-Asp-Thr-Pro-OH	Protein Kinase Substrate	1 mg	

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Protein Tyrosine Phosphatase 1B Substrate I	539737	H-Asp-Ala-Asp-Glu-Tyr(PO_3H_2)-Leu-Ile-Pro-Gln-Gln-Gly-OH	Protein Phosphatase Substrate	1 mg	
Protein Tyrosine Phosphatase 1B Substrate II	539739	Ac-Glu-Leu-Glu-Phe-Tyr(PO_3H_2)-Met-Asp-Tyr-Glu-NH_2	Protein Phosphatase Substrate	1 mg	
Protein Tyrosine Phosphatase Substrate I	539750	H-Glu-Asn-Asp-Tyr(PO_3H_2)-Ile-Asn-Ala-Ser-Leu-OH	Protein Phosphatase Substrate	500 µg	
Protein Tyrosine Phosphatase Substrate II	539738	H-Thr-Arg-Asp-Ile-Tyr(PO_3H_2)-Glu-Thr-Asp-Tyr(PO_3H_2)-Tyr(PO_3H_2)-Arg-Lys-OH	Protein Phosphatase Substrate	500 µg	
Protein Tyrosine Phosphatase Substrate III	539740	MCA-Gly-Asp-Ala-Glu-Tyr(PO_3H_2)-Ala-Ala-Lys(DNP)-Arg-NH_2	Protein Phosphatase Substrate	500 µg	
PSA Substrate, Fluorogenic	539582	Mu-His-Ser-Ser-Lys-Leu-Gln-AFC, 2TFA (Mu = morpholinoureidyl)	PSA Substrate	1 mg	
RES-701-3	554305	H-Gly-Asn-Trp-His-Gly-Tyr-Ser-Pro-Asp^9-Trp-Phe-Asn-Tyr-Tyr-Trp-OH (cyclic: 1 → 9)	Endothelin Receptor Antagonist	500 µg	
RSK Substrate, S6 231-239	559280	H-Arg-Arg-Arg-Leu-Ser-Ser-Leu-Arg-Ala-NH_2	Protein Kinase Substrate	500 µg	
S6-1	05-23-4902	H-Arg-Arg-Leu-Ser-Ser-Leu-Arg-Ala-OH	Phosphatase Acceptor Peptide	1 mg 5 mg	
Sarafotoxin S6b, *Atractaspsis engaddensis*	05-23-3802	H-Cys^1-Ser-Cys^3-Lys-Asp-Met-Thr-Asp-Lys-Glu-Cys^{11}-Leu-Tyr-Phe-Cys^{15}-His-Gln-Asp-Val-Ile-Trp-OH (disulfide bonds: 1 → 15; 3 → 11)	Endothelin Receptor Agonist	100 µg 1 mg	
Sarafotoxin S6c, *Atractaspsis engaddensis*	05-23-3813	H-Cys^1-Thr-Cys^3-Asn-Asp-Met-Thr-Asp-Glu-Glu-Cys^{11}-Leu-Asn-Phe-Cys^{15}-His-Gln-Asp-Val-Ile-Trp-OH (disulfide bonds: 1 → 15; 3 → 11)	Endothelin Receptor Agonist	100 µg 500 µg 1 mg	
α-Secretase Substrate, Control	565752	H-Val-Phe-Phe-Ala-Lys(DNP)-NH_2	Secretase Substrate/Alzheimer's Disease	1 mg	
α-Secretase Substrate I, Fluorogenic	565751	MCA-His-Gln-Lys-Leu-Val-Phe-Phe-Ala-Lys(DNP)-HN_2	Secretase Substrate/Alzheimer's Disease	500 µg	
α-Secretase Substrate II, Fluorogenic	565767	Ac-Arg-Glu(EDANS)-Val-His-His-Glu-Lys-Leu-Val-Phe-Lys(DABCYL)-Arg-OH	Secretase Substrate/Alzheimer's Disease	1 mg	
β-Secretase Substrate, Control	565754	H-Asp-Ala-Glu-Phe-Lys(DNP)-NH_2	Secretase Substrate/Alzheimer's Disease	500 µg	
β-Secretase Substrate I, Fluorogenic	565753	MCA-Glu-Val-Lys-Met-Asp-Ala-Glu-Phe-Lys(DNP)-NH_2	Secretase Substrate/Alzheimer's Disease	500 µg	
β-Secretase Inhibitor	171601	H-Lys-Thr-Glu-Glu-Ile-Ser-Glu-Val-Asn-Stat-Val-Ala-Glu-Phe-OH [Stat = (3S,4S)-Statine]	Secretase Inhibitor/Alzheimer's Disease	500 µg	
β-Secretase Inhibitor II	565749	Z-Val-Leu-Leu-CHO	Secretase Substrate/Alzheimer's Disease	1 mg 5 mg	
β-Secretase Substrate II	565756	H-Ser-Glu-Val-Asn-Leu-Asp-Ala-Glu-Phe-Arg-OH	Secretase Substrate/Alzheimer's Disease	1 mg	
β-Secretase Substrate III	565757	H-Ser-Glu-Val-Lys-Met-Asp-Ala-Glu-Phe-Arg-OH	Secretase Substrate/Alzheimer's Disease	1 mg	
β-Secretase Substrate IV, Fluorogenic	565758	H_2N-Arg-Glu(EDANS)-Glu-Val-Asn-Leu-Asp-Ala-Glu-Phe-Lys(DABCYL)-Arg-OH	Secretase Substrate/Alzheimer's Disease	1 mg	
β-Secretase Substrate V, Fluorogenic	565759	MCA-Ser-Glu-Val-Asn-Leu-Asp-Ala-Glu-Phe-Lys(DNP)-$CONH_2$	Secretase Substrate/Alzheimer's Disease	1 mg	
γ-Secretase Inhibitor I	565750	Z-Leu-Leu-Nle-CHO	Secretase Inhibitor/Alzheimer's Disease	1 mg	
γ-Secretase Inhibitor III	565760	Z-Leu-Leu-CHO	Secretase Inhibitor/Alzheimer's Disease	1 mg 5 mg	
γ-Secretase Inhibitor IV	565761	2-Naphthoyl-Val-Phe-CHO	Secretase Inhibitor/Alzheimer's Disease	1 mg	
γ-Secretase Inhibitor V	565762	Z-Leu-Phe-CHO	Secretase Inhibitor/Alzheimer's Disease	1 mg	
γ_{40}-Secretase Inhibitor I	565765	*trans*-3,5-DMC-Ile-Leu-CHO [DMC=Dimethoxycinnamoyl]	Secretase Inhibitor/Alzheimer's Disease	1 mg	
γ_{40}-Secretase Inhibitor II	565766	Boc-Gly-Val-Val-CHO	Secretase Inhibitor/Alzheimer's Disease	1 mg 5 mg	
Secretin, Human	05-23-2102	H-His-Ser-Asp-Gly-Thr-Phe-Thr-Ser-Glu-Leu-Ser-Arg-Leu-Arg-Glu-Gly-Ala-Arg-Leu-Gln-Arg-Leu-Leu-Gln-Gly-Leu-Val-NH_2	Hormone	0.5 mg 1 mg	

PRODUCT	CAT. NO.	PEPTIDE SEQUENCE	FUNCTIONAL CATEGORY	SIZE	PRICE
Senktide	05-23-0613	Suc-Asp-Phe-MePhe-Gly-Leu-Met-NH_2	Tachykinin	1 mg 5 mg	
Septide	05-23-0612	Pyr-Phe-Phe-Pro-Leu-Met-NH_2 (Pyr = L-pyroglutamyl)	Tachykinin	1 mg 5 mg	
SH2 Domain Inhibitor Peptide	566805	Ac-Asp-Tyr(PO_3H_2)-Val-Pro-Met-Leu-NH_2	SH2 and SH3 Domain Peptide	1 mg	
Smac-*N7* Peptide	567370	H-Ala-Val-Pro-Ile-Ala-Gln-Lys-OH	Apoptosis Inducer	1 mg 5 mg	
Smac-*N7* Peptide, Cell Permeable	567375	H-Ala-Val-Pro-Ile-Ala-Gln-Lys-Pro-Arg-Gln-Ile-Lys-Ile-Trp-Phe-Gln-Asn-Arg-Arg-Met-Lys-Trp-Lys-Lys-OH	Apoptosis Inducer	1 mg	
SNP-1	567318	His-Ser-Gln-Ile-Ser-Gly-Lys-Tyr-Gln-Arg-Tyr-Leu-Lys-Asp-Ala-OH	ADP-Ribosyl Cyclase Inhibitor	1 mg	
Somatostatin	05-23-0850	H-Ala-Gly-Cys^3-Lys-Asn-Phe-Phe-Trp-Lys-Thr-Phe-Thr-Ser-Cys^{14}-OH (disulfide bond: 3 → 14)	Calcium Channel Blocker/ Hormone Release Blocker	1 mg 5 mg 25 mg	
Somatostatin Analog	567685	H-D-2-Nal-cyclo(γ-Glu-Tyr-D-Trp-Lys-Val-L-αγ-diaminobutyryl)-Thr-NH_2 (Nal = 2-naphthylalanine)	Muscle Cell Proliferation Inhibitor	1 mg	
Src SH2 Domain Inhibitor Peptide	567815	Ac-Tyr(PO_3H_2)-Tyr(PO_3H_2)-Tyr(PO_3H_2)-Ile-Glu-OH (Sar = sarcosine)	SH2 and SH3 Domain Peptide	1 mg	
Substance P	05-23-0600	H-Arg-Pro-Lys-Pro-Gln-Gln-Phe-Phe-Gly-Leu-Met-NH_2	G-Protein Activator	1 mg 5 mg 25 mg	
Substance P, Free Acid	05-23-0601	H-Arg-Pro-Lys-Pro-Gln-Gln-Phe-Phe-Gly-Leu-Met-OH	Regulatory Peptide	1 mg 5 mg	
[Sar^9,Met(O_2)^{11}]-Substance P	05-23-0657	H-Arg-Pro-Lys-Pro-Gln-Gln-Phe-Phe-Sar-Leu-Met(O_2)-NH_2	Regulatory Peptide	1 mg 5 mg	
Subtilisin A Substrate I, Colorimetric	572910	Boc-Gly-Gly-Leu-*p*NA	Subtilisin Substrate	5 mg	
Subtilisin A Substrate II, Colorimetric	572912	Z-Ala-Ala-Leu-*p*NA	Subtilisin Substrate	5 mg	
Subtilisin Inhibitor I	572915	Boc-Ala-Ala-NHO-Bz	Protease Inhibitor	1 mg	
Subtilisin Inhibitor II	572917	Z-Gly-Phe-NHO-Bz	Protease Inhibitor	1 mg	
Subtilisin Inhibitor III	572920	Z-Gly-Phe-NHO-Bz-*p*-OMe	Protease Inhibitor	1 mg	
Subtilisin Inhibitor IV	572922	Boc-Pro-Phe-NHO-Bz-*p*Cl	Protease Inhibitor	1 mg	
Subtilisin Inhibitor V	572925	Boc-Ala-Pro-Phe-NHO-Bz	Protease Inhibitor	1 mg	
Succinyl-Ala-Ala-Pro-Phe-*p*-nitroanilide	573462	Suc-Ala-Ala-Pro-Phe-*p*NA	Cathepsin Substrate	25 mg 100 mg	
Syntide 2	05-23-4910	H-Pro-Leu-Ala-Arg-Thr-Leu-Ser-Val-Ala-Gly-Leu-Pro-Gly-Lys-Lys-OH	Protein Kinase Peptide	1 mg 5 mg	
TACE Substrate I	616401	H-Ile-Val-Gly-Pro-Gln-Arg-Phe-Ser-Gly-Ala-Pro-Ala-OH	TNF-α Convertase Substrate	500 µg	
TACE Substrate II, Fluorogenic	616402	MCA-Pro-Leu-Ala-Gln-Ala-Val-Dpa-Arg-Ser-Ser-Ser-Arg-NH_2 [Dpa = N-3-(2,4-Dinitrophenyl)-L-2,3-diaminopropionyl]	TACE Substrate	500 µg	
TACE Substrate III, Fluorogenic	616403	DABCYL-Leu-Ala-Gln-Ala-Val-Arg-Ser-Ser-Ser-Arg-EDANS	TACE Substrate	500 µg	
Thrombin Inhibitor	605200	Z-D-Phe-Pro-methoxypropylboroglycinepinanediol ester	Protease Inhibitor	5 mg	
Thrombin Receptor Agonist	605208	H-Ser-Phe-Leu-Leu-Arg-Asn-Pro-Asn-Asp-Lys-Tyr-Glu-Pro-Phe-OH	Thrombin Agonist	500 µg	
Thrombin Substrate I, Colorimetric	605210	Benzoyl-Phe-Val-Arg-*p*NA, HCl	Thrombin Substrate	5 mg	

PRODUCT	CAT. NO.	PEPTIDE SEQUENCE	FUNCTIONAL CATEGORY	SIZE	PRICE
Thrombin Substrate II, Colorimetric	539518	H-Sar-Pro-Arg-*p*NA, HCl	Thrombin Substrate	5 mg	
Thrombin Substrate III, Fluorogenic	605211	Benzoyl-Phe-Val-Arg-AMC, HCl	Thrombin Substrate	25 mg	
Thyrotropin Releasing Factor	609401	Pyr-His-Pro-NH_2 (Pyr = L-pyroglutamyl)	Hormone	50 mg	
Toxin II, *Anemonia sulcata*	616390	Mixture of Cat. Nos. 616391 and 616393	Sodium Channel Opener	100 µg	
Toxin II, Isoleucine Isotoxin, *Anemonia sulcata*	616393	H-Gly-Ile-Pro-Cys-Leu-Cys-Asp-Ser-Asp-Gly-Pro-Ser-Val-Arg-Gly-Asn-Thr-Leu-Ser-Gly-Ile-Ile-Trp-Leu-Ala-Gly-Cys-Pro-Ser-Gly-Trp-His-Asn-Cys-Lys-Lys-His-Gly-Pro-Thr-Ile-Gly-Trp-Cys-Cys-Lys-Gln-OH	Sodium Channel Opener	100 µg	
Toxin II, Valine Isotoxin, *Anemonia sulcata*	616391	H-Gly-Val-Pro-Cys-Leu-Cys-Asp-Ser-Asp-Gly-Pro-Ser-Val-Arg-Gly-Asn-Thr-Leu-Ser-Gly-Ile-Trp-Leu-Ala-Gly-Cys-Pro-Ser-Gly-Trp-His-Asn-Cys-Lys-Lys-His-Gly-Pro-Thr-Ile-Gly-Trp-Cys-Cys-Lys-Gln-OH	Sodium Channel Opener	100 µg	
Tripeptidylpeptidase II Inhibitor	645905	H-Ala-Ala-Phe-CMK • CF_3CO_2H	Tripeptidylpeptidase Inhibitor	5 mg	
Tripeptidylpeptidase II Substrate, Fluorogenic	645910	H-Ala-Ala-Phe-AMC • CF_3CO_2H	Tripeptidylpeptidase Substrate	5 mg	
Tumor Necrosis Factor-α Antagonist	654255	H-Tyr-Cys-Trp-Ser-Gln-Tyr-Leu-Cys-Tyr-OH	Apoptosis Inhibitor	1 mg	
Tyrosine-Specific Protein Kinase Inhibitor	657015	H-Val-Ala-Pro-Ser-Asp-Ser-Ile-Gln-Ala-Glu-Glu-Trp-Tyr-Phe-Gly-Lys-Ile-Thr-Arg-Arg-Glu-OH	Protein Tyrosine Kinase Inhibitor	500 µg	
Urokinase Substrate I, Colorimetric	672157	Z-Val-Gly-Arg-*p*NA	Urokinase Substrate	5 mg	
Urokinase Substrate II	672158	Ac-Gly-Lys-OMe, HCl	Urokinase Substrate	25 mg	
Urokinase Substrate III, Fluorogenic	672159	Z-Gly-Gly-Arg-AMC, HCl	Urokinase Substrate	25 mg	
D-Val-Phe-Lys Chloromethyl Ketone, Dihydrochloride	627624	H-D-Val-Phe-Lys-CMK	Plasmin Inhibitor	5 mg	
Vasoactive Intestinal Peptide, Human, Porcine, and Rat	05-23-2101	H-His-Ser-Asp-Ala-Val-Phe-Thr-Asp-Asn-Tyr-Thr-Arg-Leu-Arg-Lys-Gln-Met-Ala-Val-Lys-Lys-Tyr-Leu-Asn-Ser-Ile-Leu-Asn-NH_2	Neuropeptide	500 µg 1 mg	
[Arg^8]-Vasopressin	05-23-0150	H-Cys^1-Tyr-Phe-Gln-Asn-Cys^6-Pro-Arg-Gly-NH_2 (disulfide bond: 1 → 6)	Hormone	1 mg 5 mg	
[Lys^8]-Vasopressin	05-23-0153	H-Cys^1-Tyr-Phe-Gln-Asn-Cys^6-Pro-Lys-Gly-NH_2 (disulfide bond: 1 - > 6)	Hormone	1 mg 5 mg	
Waglerin I, *Trimeresurus wagleri*	681655	H-Gly-Gly-Lys-Pro-Asp-Leu-Arg-Pro-Cys^9-His-Pro-Pro-Cys^{13}-His-Tyr-Ile-Pro-Arg-Pro-Lys-Pro-Arg-OH (disulfide bond: 9 → 13)	Neuromuscular Blocker	100 µg	

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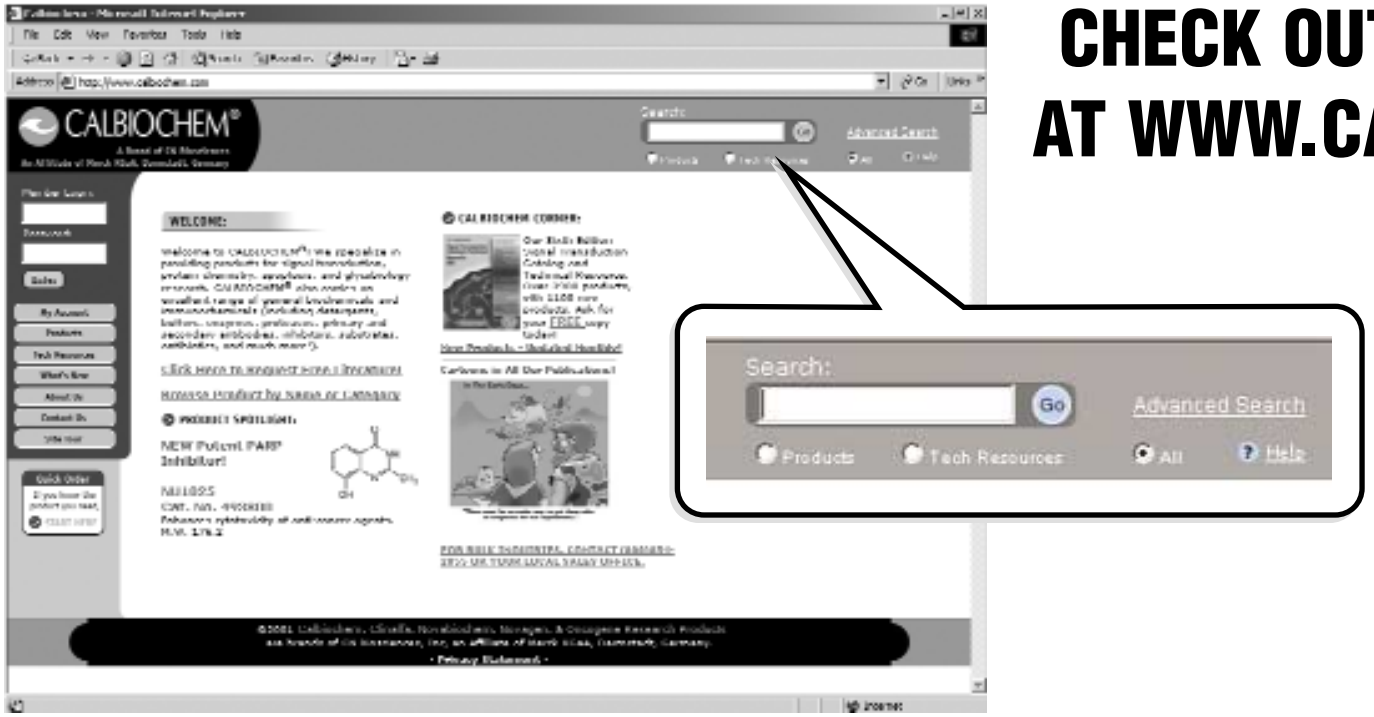

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