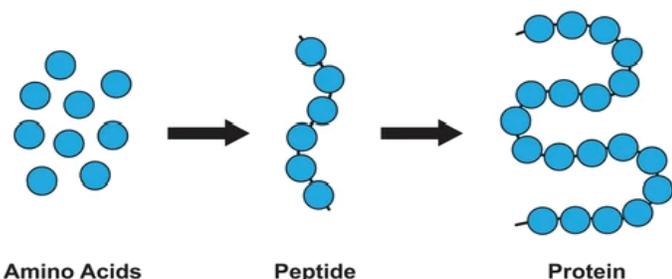
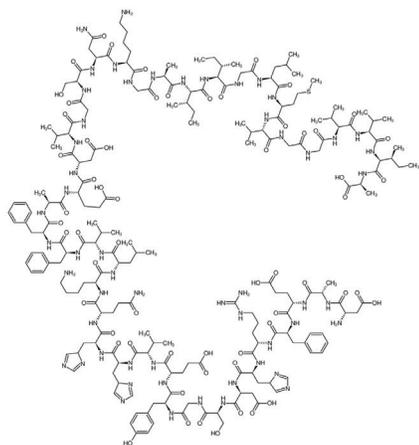


## Why Echelon Peptides?



Peptides are biologically and medically important molecules. In nature they have similar functions as proteins including: acting as structural components of cells and tissues, hormones, toxins, antibiotics, and enzymes. For example, peptide therapeutics are used to treat Alzheimer's disease.

Echelon carries a comprehensive line of peptides products which are manufactured and analyzed to high quality standards.



## Beta Amyloid (1-42), human

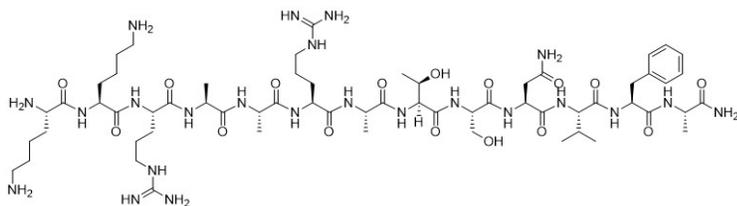
Cat #641-15

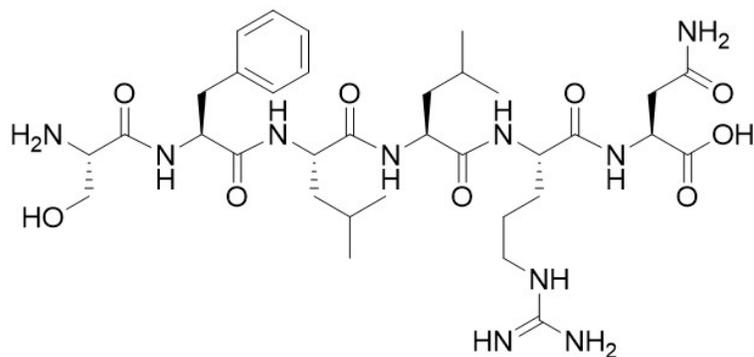
Beta amyloid (1-42) is the predominant form (derived from  $\beta$ -amyloid protein) found in the brains of patients with Alzheimer's disease and Down's syndrome. Beta amyloid (1-42) renders neurons vulnerable to age dependent stress and neurodegeneration.

## Myosin Light Chain Kinase Substrate

Cat # 930-30

KKRAARATSNVFA-NH<sub>2</sub> is a substrate for myosin light chain kinase (MLCK). MLCK phosphorylates myosin allowing it to interact with actin which produces muscle contraction.





## Thrombin Receptor Activator Peptide 6 / TRAP-6

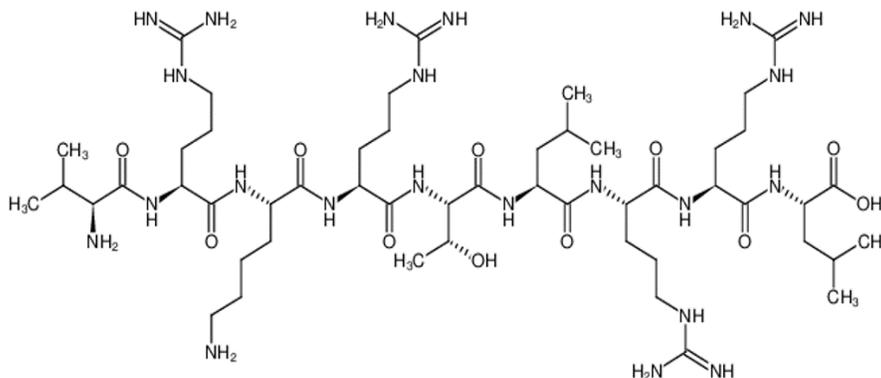
Cat # 920-51

SFLLRN-OH is the sequence remaining on the N-terminus of the thrombin receptor PAR1 after cleavage by thrombin. This tethered ligand, as well as free TRAP-6, activates PAR1.

## Protein Kinase C Substrate

Cat # 890-82

The Protein Kinase C (PKC) substrate VRKRTLRL can be used to monitor the activity of protein kinase C family enzymes. Generally, PKCs are tumor suppressors in cancer, and their activity should be restored in malignancy. On the other hand, PKC inhibition may protect in neurodegenerative diseases.



### Additional Peptides Available

Products	Catalog Number
<b>Neuropeptides &amp; Hormones</b>	
Thymosin b4 (1-4)	885-21
PAR-1 agonist	875-27
Oxytocin	670-67
Vasopressin [Lys8]	670-17
Spantide II	712-36
<b>Enzyme Substrates</b>	
Protein Kinase C Substrate	890-82
Ac-Ala-Arg-AMC	877-13
AMARA peptide Substrate	890-23
Pancreatic Elastase Substrate	883-18
Phosphatase Substrate	871-70

### Other products of interest

Products	Catalog Number
<b>Alzheimer's</b>	
Beta Amyloid (1-42), rat	642-15
Beta Amyloid (25-35) [Ala28]	640-19
Humanin, human	640-52
Amyloid Blocker	641-81
Acetyl Beta Amyloid (25-35)	641-59
<b>Cardiovascular</b>	
Thrombin Receptor Agonist	920-53
Helodermin [Gln8,9]	740-27
Ser-Asp-Gly-Arg-Gly-OH	450-59
FR-1, cyclic	450-53
AP 811	492-10

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