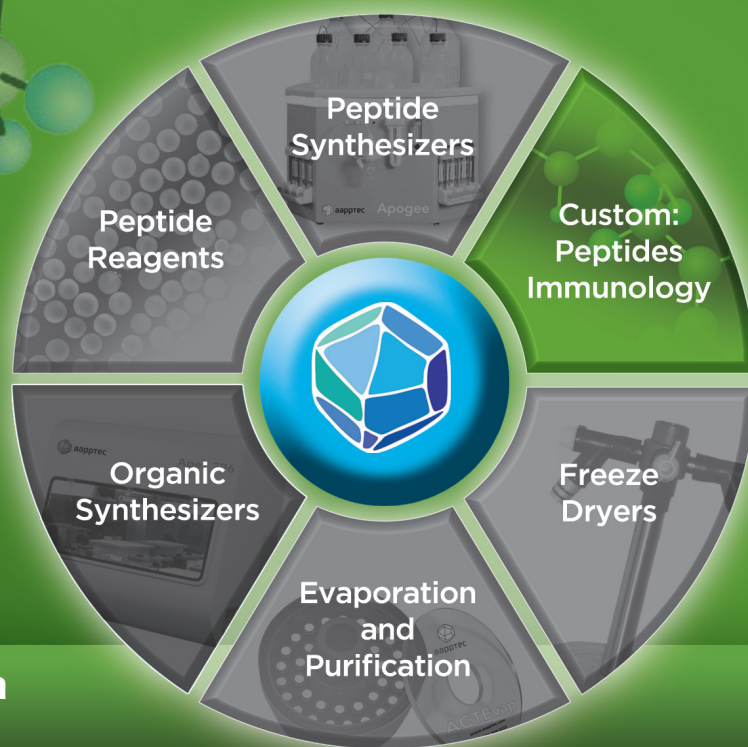




aappTec

advanced automated peptide protein technologies

Custom Peptides



www.aappTec.com
502-968-2223

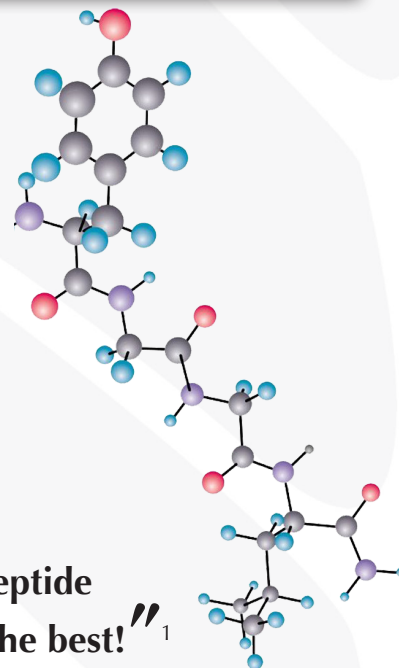
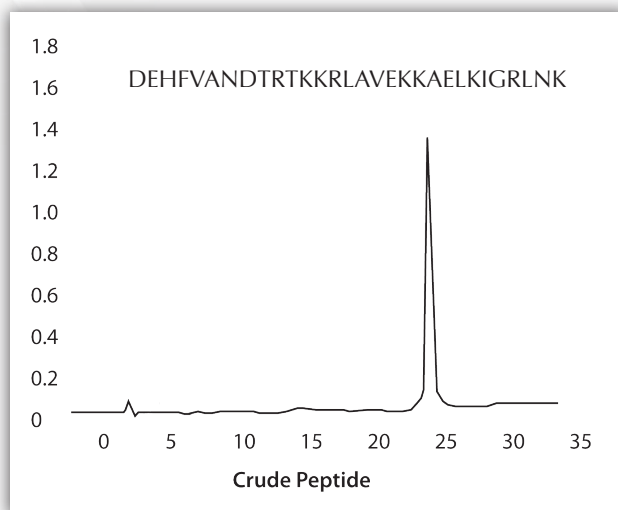
Custom Peptide Synthesis

aapptec provides custom peptides and immunology products with high quality and fast delivery at an affordable price to research scientists worldwide (For aapptec Immunology products, see our immunology brochure). aapptec has unparalleled experience in peptide synthesis. Our chemists have up to 32 years prior experience preparing and purifying high quality peptides for research and production. We are proud to offer our expert service for custom peptide synthesis.

aapptec synthesizes custom peptides in quantities of a few milligrams for research, to large multi-kilograms quantities for industrial production. Only top quality resins, reagents and state-of-art methods are utilized in the preparation of all custom peptides to assure the highest yield and purity. MAP peptides, cyclic peptides and peptides containing unusual amino acids such as modified side chains or other modifications are prepared to the same high quality standards as standard peptides.

All final products are provided with a complete quality control package including Mass Spectral Analysis to confirm the purity and identity of the peptide. From 2 amino acids to 85 amino acids, aapptec prepares custom

peptides in the scale and purity required. Please call us to discuss your peptide requirements with our experienced staff. Strict confidentiality is assured.



“We definitely always keep aapptec in mind for our peptide synthesis needs. Your guys are the best!”¹

¹<http://www.nature.com/nmat/journal/vaop/ncurrent/pdf/nmat3357.pdf>, Jordan Miller, University of Pennsylvania

Custom Peptide Production

aapptec can produce individual peptides in milligram to multi-kilogram quantities, or libraries up to thousands of peptides.

aapptec complies with the most stringent quality control specifications at a competitive price. Let our experienced chemists assist with your development and production needs. All requests are evaluated with strict confidentiality.

Due to our strong record in peptide synthesis, knowledgeable technical team and superior production standards, a collaboration with aapptec provides a competitive advantage in the life sciences industry.



Focus XC

View our complete line of Peptide Synthesizers at www.aapptec.com.

Quality Matters

aapptec will remain the leader in providing the latest technology in peptide and protein synthesis for both research and industrial scale production. We will reach this goal by ensuring that our standards of quality and service are never compromised.

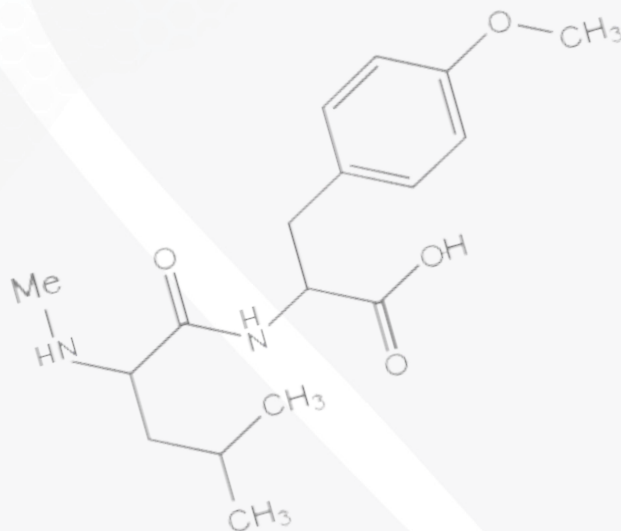
Peptide Library Synthesis

αapptec provides custom peptide libraries for lead discovery, drug development, and SAR studies, including alanine scans and truncation sets. Peptide libraries are provided as crude peptides in 96-well plates with approximately 2 μmol of lyophilized peptide in each well. αapptec utilizes optimized protocols and techniques to ensure consistent quality, from library-to-library and within libraries. Library peptides can be up to 28 amino acids.

Modifications include: D-amino acids, unusual amino acids, biotin or fluorescent labeling, N-acylation or C-terminal amide.

Provide αapptec with the peptide sequences and we will prepare a quotation for your li-

brary. Libraries are typically completed in 2-3 weeks. Typical delivery consists of lyophilized peptides in 96-well titer plates, peptide location table, and MS and HPLC data.



Library Prices Per Crude Peptide (1-4 mg)

1/2 Plate	1 Plate	2 Plates	3 Plates
\$29	\$25	\$24	\$22

αapptec provides custom peptides in the following purities:

- Crude peptide as synthesized without purification.
- Immunological Grade (suitable for producing polyclonal antibodies).
- 80% or greater (tissue culture; ligand for affinity purification; non-quantitative antibody blocking experiments).
- 90% or greater (in vivo studies, bioassays; markers for electrophoresis; monoclonal antibodies).
- 95% or greater (ELISA; RIA; enzyme substrate).
- 98% (NMR; chromatography standards).

Peptide Synthesis Popular Modification

- **D-Amino Acids:**
D-isomers of all standard and unusual amino acids.
- **N-Methyl Amino Acids:**
N-Methylation of standard amino acids
- **Unusual Amino Acids:**
Any readily available unusual amino acid
- **Phosphorylation:**
Tyr, Ser, Thr
- **Sulfonation:**
Tyr(SO₃H)
- **Cysteine Derivatives:**
Cys(Acm), Cys(tBu)
- **Lysine Derivatives:**
Lys(DNP), Lys(Me), Lys(Me₂) Lys(Me₃)⁺, Lys(Ac)
- **Serine Derivates:**
Ser(octanoic acid).
- **Isotopic Amino Acids:**
¹³C, ¹⁵N, Deuterium (²H)
- **N-Terminal Modifications:**
Acylation, Formylation, Succinylation,
- **Myristylation, Palmytolation, Benzyloxycarbonylation (Cbz)**
- **C-Terminal Modification:**
Amidation (HN₂, NHET, NHMe), p-Nitroanilide (pNA), AMC, NHS (Osu), CMK/FMK, Ester (Ome, Oet, Obzl, OtBu)
- **Cyclic Peptide:**
1 Disulfide Bridge, 2 Disulfide Bridges, 3 Disulfide Bridges, Amide Cyclic (Side-chain, End), Stapled Peptides.
- **Multiple Antigenic Peptides System:**
Asymmetric 4 branches, Asymmetric 8 branches, KLH, BSA/OVA
- **Tags & Labeling:**
Biotin (N-Terminal, with or without Ahx), Biotin (Lys sidechain), FITF/5-FAM (N-Terminal, with or without Ahx), FITC/5-FAM (Lys sideschain), Dansyl (N-Terminal, with or without Ahx), MCA (N-Terminal), HYNIC (N-Terminal), DTPA (N-Terminal), etc.
- **Quenched Fluorescent Peptide:**
Abz/Tyr(3-NO₂), EDANS, DABCYL, etc.
- **Additional Services:**
Amino Acid Analysis, Aliquots

**Please contact us with other modifications not listed at 1-502-968-2223
or by Web at www.aapptec.com**

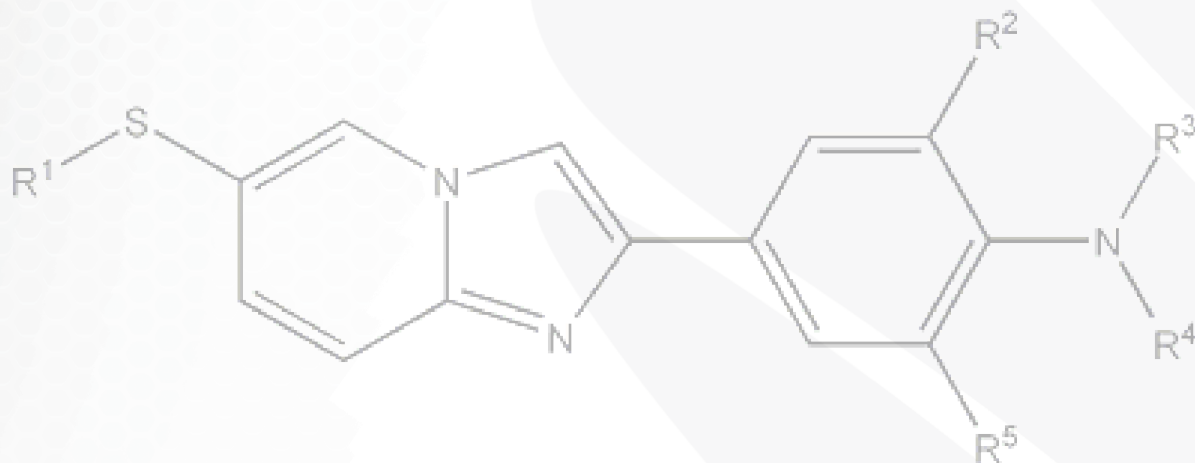
Catalogued Peptide Services

aapptec currently offers over 3,000 catalog peptides in package sizes appropriate for research, with new peptides continuously being added. We can also provide larger quantities by quotation. Our catalog peptide products are available for your research applications as well as small scale peptide synthesis at a very competitive price. aapptec has a wide range of research grade peptide products, each of which is accompanied with HPLC and MS analysis. aapptec has a global reputation that stands for the highest quality products and innovation. At aapptec we are continuously expanding and refreshing our selection of peptides, amino acid

Peptides are versatile biomolecules with applications in:

- Drug Discovery & Development
- Diagnostics
- Cosmetics
- Veterinary Medicine
- Materials Science

derivatives, resins, linkers, reagents and immunology products. The newest additions can be found on our online catalog at www.aapptec.com.



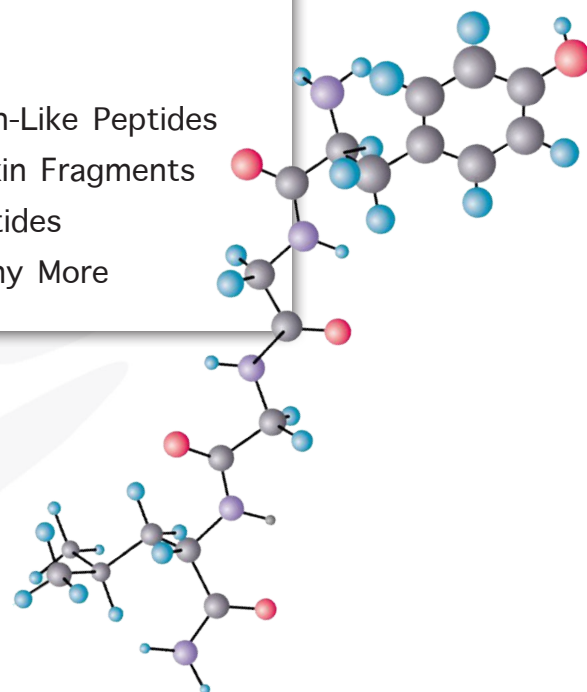
Peptide Synthesis Chemistry is aapptec's Business.

Peptide Categories

aapptec has experience in producing peptides of any complexity and will provide excellent service and technical support for all your peptide needs. If a peptide is not available in the catalog or on our website, our experienced chemists can prepare custom peptide sequences of up to 85 amino acids in length with your specified purity and quantity requested. Visit our website for more peptides and peptide related products.

Some of the categories of peptides that aapptec offers include:

- ACTH
- Adipokinetic Hormones
- Adrenomedullin
- Allatostatins
- Beta-Amyloid Fragments
- Angiotensins
- ANP, BNP
- Bombesins
- Bradykinins
- Calcitonins
- Casomorphins
- Alpha-CGRP
- CCK
- Dynorphins
- Endorphins
- Enkephalins
- Galanin
- GRF
- Glucagon-Like Peptides
- Interleukin Fragments
- API Peptides
- And Many More





aapptec

advanced automated PEPTIDE PROTEIN TECHNOLOGIES

Spirit of Innovation

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