

CATALOG & CUSTOM PEPTIDES BACHEM

PIONEERING PARTNER FOR PEPTIDES

PIONEERING PARTNER FOR PEPTIDES

With close to 50 years of proven success in peptide manufacturing, Bachem continues to be the leader in the peptide industry.

We offer a large selection of research peptides from stock. Our distribution centers in the US and in Europe allow fast delivery worldwide. With a track record in custom synthesis projects, we are a partner to our clients as a trusted supplier of high quality research peptides and amino acids.

SHOP.BACHEM.COM

Search for the product you are looking for within our online catalog of more than 6500 products

- Over 4000 peptides & biochemicals, substrates & inhibitors
- Large selection of amino acids, resins, building blocks, reagents and linkers
- Bulk quantities offered on request
- Detailed technical product information
- Excellent customer service

«OUR COLLECTION OF CATALOG PEPTIDES FOR RESEARCH NEEDS IS AVAILABLE FROM STOCK FOR FAST DELIVERY TO YOUR LAB.»

BACHEM
PIONEERING PARTNER FOR PEPTIDES

1-Letter Amino Acid Code	3-Letter Amino Acid Code	Relative Molecular Mass	Chemical Structure	Chemical Name
H	His	155.15	<chem>C1=NC=C(C(=O)O)N1</chem>	Histidine
D	Asp	133.10	<chem>C(CC(=O)O)C(=O)O</chem>	Aspartic Acid
R	Arg	174.20	<chem>C(CCNC(=O)N)C(=O)O</chem>	Arginine
F	Phe	165.19	<chem>C(Cc1ccccc1)C(=O)O</chem>	Phenylalanine
A	Ala	89.09	<chem>C(C)C(=O)O</chem>	Alanine
C	Cys	121.16	<chem>C(CS)C(=O)O</chem>	Cysteine
G	Gly	75.07	<chem>C(=O)O</chem>	Glycine
Q	Gln	146.15	<chem>C(CC(=O)N)C(=O)O</chem>	Glutamine
E	Glu	147.13	<chem>C(CC(=O)O)C(=O)O</chem>	Glutamic Acid
K	Lys	146.19	<chem>C(CCCNC(=O)O)C(=O)O</chem>	Lysine
L	Leu	131.17	<chem>C(CCC)C(=O)O</chem>	Leucine
M	Met	149.21	<chem>C(CSCC)C(=O)O</chem>	Methionine
S	Ser	105.09	<chem>C(CO)C(=O)O</chem>	Serine
Y	Tyr	181.19	<chem>C(Cc1ccc(O)cc1)C(=O)O</chem>	Tyrosine
T	Thr	119.12	<chem>C(C(C)O)C(=O)O</chem>	Threonine
I	Ile	131.17	<chem>C(C(C)C)C(=O)O</chem>	Isoleucine
W	Tyr	204.23	<chem>C1=CC=C2C(=C1)C(=CN2)C(=O)O</chem>	Tryptophan
P	Pro	97.09	<chem>C1CCNC1=O</chem>	Proline
V	Val	117.15	<chem>C(C(C)C)C(=O)O</chem>	Valine

Legend:
■ Basic
■ Non-polar (hydrophobic)
■ Polar, uncharged
■ Acidic

Periodic Chart of Amino Acids
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Our clients trust in the high quality of our peptides for research and development projects. We have the capacity to supply mg to multi-kg amounts as your project advances.

CUSTOM SYNTHESIS

«WE ARE EXPERIENCED IN CUSTOM PEPTIDE SYNTHESIS»

- **Labeling with Stable Isotopes**
 - (^{15}N , ^2H , ^{13}C)
- **PEGylation**
- **Acetylation, Acylation (e.g. Lipopeptides)**
- **Biotinylation**
- **Amidation**
- **Backbone Modifications as**
 - Hydroxyethylene Isosteres
 - Thioethers
 - Retro-Inverso Peptides
 - Reduced Peptide Bonds
- **Conjugation to Carrier Proteins (e.g. KLH and BSA)**
- **Conjugation to Small Molecules (including imaging agents)**
- **Conjugation to Polymers**
- **Cyclizations**
 - Single or Multiple Disulfide Bridges
 - Head-To-Tail
 - Side Chain (e.g. Lactam Bridge, Thioether)
- **Depsipeptides**
- **Hydrocarbon-Stapled Peptides**
- **Introduction/Incorporation of**
 - Chelating Moieties
 - Chromophores and Fluorophores
 - Fluorophore/Quencher Pairs
 - Tide FluorTM and Tide QuencherTM
 - D-Enantiomers
 - Maleimide Groups, NHS Esters
 - α - and N-Methylamino Acids
 - Unusual Amino Acids
- **Peptide Alcohols and Aldehydes**
- **C-terminal Esters and Thioesters**
- **Phosphorylation, Sulfation and Glycosylation**



e Cupboard 5

EXPERIENCE

- Our highly motivated team has extensive know-how in sequence design and modifications
- A strong commitment to quality is the basis of our long-standing market leadership
- We have the capability to synthesize peptides from mg/g to kg scale, which enables us to supply you with the quantities needed when your project develops
- As a global peptide partner we are collaborating with pharmaceutical, biotechnology, diagnostic, cosmetic companies and academia
- You can rely on us, because close to 50 years of peptide experience makes us a partner you can trust
- We have facilities in the US and Europe including an ISO 13485 certified manufacturing site in St. Helens, UK

OUR CUSTOMERS SAY:

«I was very pleased with the service I received from Bachem. From start to finish, the communication was first-rate. I received quick (and patient!) responses to my numerous email inquiries about my custom peptide, and they met their target date for delivery. Highly recommend.»

«The excellent quality and the reliable service of Bachem are considered to represent key requirements for our progress in small-scale research projects and development programs.»

CATALOG PRODUCTS BY AREA OF INTEREST

Adhesion Molecules &
Extracellular Matrix Proteins
Alzheimer's Disease
Angiogenesis
Antigen-presenting Cells
Antimicrobial &
Antiviral Peptides
Apoptosis & Necrosis
Biotinylated Peptides
Cancer Research
Cardiovascular System &
Diseases
Cell Culture
Cell-permeable Peptides
Cosmetic Peptides
& Dermatology
Cytokines/Chemokines &
their Receptors
Diabetes
Di- and Tripeptides
Food Research & Nutrition
Gastrointestinal Research
Growth Factors
Hematology

Histone Peptides
Immunomodulating Agents
Infectious Disease
Inflammation Research
Ion Channel Modulating
Agents
Multiple Sclerosis
Nitric Oxide Research
Obesity Research
Opioid Research
Osteoporosis Research
Parkinson's Disease
Pituitary & Hypothalamic
Hormones
Protein-Tyrosine Kinases
Regenerative Medicine
Reproductive Medicine
Tau Peptides
Veterinary Medicine
Virology

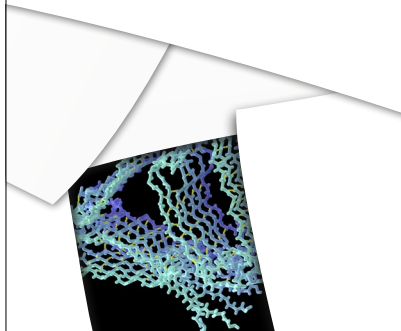


«We collaborate closely with you to understand how we can best support your projects. We offer fast and reliable delivery timelines and you can always count on us.»

PRODUCT PORTFOLIO

AMYLOID PEPTIDES BACHEM

PIONEERING PARTNER FOR PEPTIDES



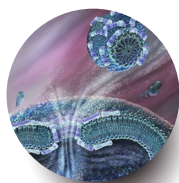
AMYLOID PEPTIDES

Amyloid β -Protein (1-42)
Amyloid β -Protein (1-42)
(HFIP-treated)
Amyloid β -Protein (1-40)
Amyloid β -Protein (1-40)
(HFIP-treated)
Amyloid β -Protein (25-35)
Amyloid β -Protein Fragments
Amyloid β /A4 Protein Precursor
(APP) Fragments
Amyloid-Like Protein

Amyloid Bri Peptides
Amyloid Dan Peptides
Amyloid P-Component Peptides
Non-A β Component
Prion Protein Fragments
Prion Disease related Products
 β -Secretase Inhibitors/Substrates
 γ -Secretase Inhibitors/Sub-
strates
Humanin

ANTIMICROBIAL PEPTIDES BACHEM

PIONEERING PARTNER FOR PEPTIDES



ANTIMICROBIAL PEPTIDES

Cathelin-Related Antimicrobial
Peptides (CRAMP)
Cathepsin-G Peptides
Cecropins
Ceratotoxins
Defensins
Hepcidins
Histatins
LL-37 and Fragments

Magainins
Melittins
Pseudin Peptides and Analogs
Tuftsin and Analogs
Related Products

CASPASE SUBSTRATES INHIBITORS BACHEM

PIONEERING PARTNER FOR PEPTIDES



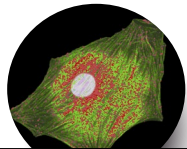
CASPASE SUBSTRATES AND INHIBITORS

Caspase-1 Substrates
Caspase-1 Inhibitors
Caspase-2 Substrates
Caspase-2 Inhibitors
Caspase-3 Precursor Protease
Substrates
Caspase-3 Precursor Protease
Inhibitors
Caspase-3 Substrates
Caspase-3 Inhibitors
Caspase-4 Substrates

Caspase-4 Inhibitors
Caspase-6 Substrates
Caspase-6 Inhibitors
Caspase-7 Substrates
Caspase-7 Inhibitors
Caspase-8 Substrates
Caspase-8 Inhibitors
Caspase-9 Substrates
Caspase-9 Inhibitors
Caspase-10 Inhibitors
Paracaspase MALT-1 Inhibitors

CALCITONIN GENE-RELATED PEPTIDES BACHEM

PIONEERING PARTNER FOR PEPTIDES

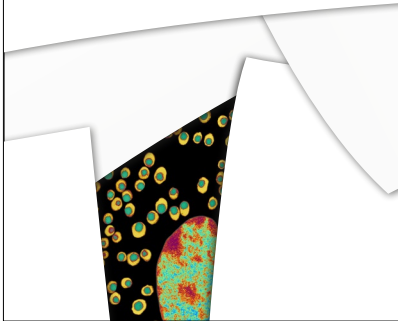


CALCITONIN GENE-RELATED PEPTIDES (CGRP)

CGRP Peptides and Fragments

DIABETES PEPTIDES BACHEM

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DIABETES PEPTIDES

Amylin (IAPP)

C-Peptide

Exendin

Gastric Inhibitory Polypeptide (GIP)

Glucagon and Oxyntomodulin

Glucagon-Like Peptides (GLP-1)

Glucagon-Like Peptides (GLP-2)

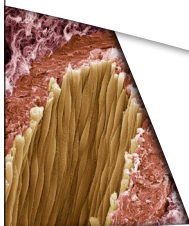
Insulin, Insulin-Like Growth Factor (IGF)

Pancreastatin

Pseudin

ENDOTHELINS BACHEM

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ENDOTHELINS

Endothelin Antagonists

Sarafotoxins

ECE-1 Substrate

PRODUCT PORTFOLIO



FRET SUBSTRATES

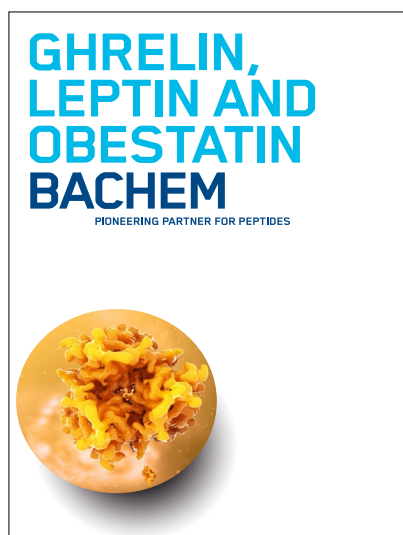
Fluorophores

Quenchers

Donor/Acceptor Pairs Recommendations

FRET Substrates by Enzymes

Building Blocks for FRET Substrates



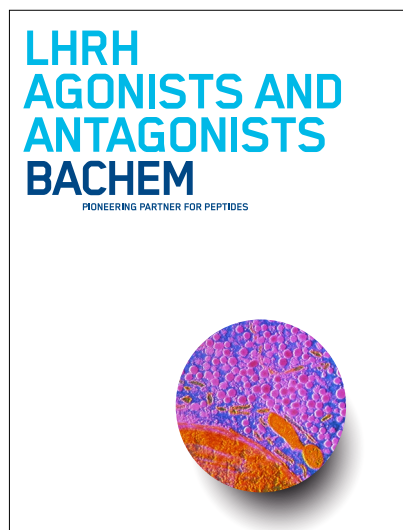
GHRELIN, LEPTIN AND OBESTATIN

Ghrelins

Obestatins

Leptin

GHRP-6



LUTEINIZING HORMONE-RELEASING HORMONE (LHRH)

LHRH Agonists and Antagonists

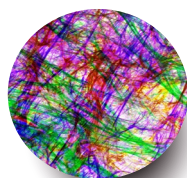
- Buserelin and Impurities
- Deslorelin, Analogs and Fragments
- Gonadorelin, Analogs and Fragments
- Goserelin and Impurities
- Histrelin, Analogs and Fragments
- Lecirelin
- Leuprolide and Impurities
- Piscine LHRH
- Triptorelin, Analogs and Fragments

Generic Active Pharmaceutical Ingredients (APIs)

- Impurities of the Leuprorelin Ph. Eur. Monograph
- Impurities of the Goserelin Ph. Eur. Monograph
- Impurities of the Buserelin Ph. Eur. Monograph

MATRIX METALLO- PROTEINASES BACHEM

PIONEERING PARTNER FOR PEPTIDES



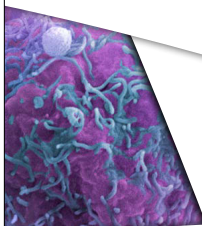
MATRIX METALLOPROTEINASES

MMP Substrates and Inhibitors

- MMP-1 Substrates
- MMP-1 Inhibitors
- MMP-2 Substrates
- MMP-2 Inhibitors
- MMP-3 Substrates
- MMP-3 Inhibitors
- MMP-7 Substrates
- MMP-8 Inhibitors
- MMP-9 Substrates
- MMP-12 Substrates
- MMP-13 Substrates
- MMP-14 Substrates
- MMP-26 Substrates

MELANOMA PEPTIDES BACHEM

PIONEERING PARTNER FOR PEPTIDES



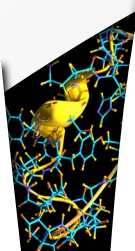
MELANOMA PEPTIDES

MART-A Peptides

Tyrosinase Fragments

NPY PEPTIDES BACHEM

PIONEERING PARTNER FOR PEPTIDES



NPY PEPTIDES

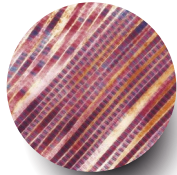
Pancreatic Polypeptides

NPY, Analogs and Fragments

PRODUCT PORTFOLIO

PEPTIDES IN COSMETICS BACHEM

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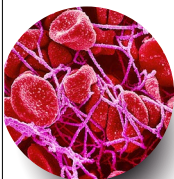


PEPTIDES IN COSMETICS

L-Anserine · nitrate
Carcinine
L-Carnosine
Chemotactic Domain of Elastin (VGAPG)
Liver Cell Growth Factor (GHK)
H-Lys-Phe-Lys-OH (KFK)
Procollagen Type I (212-216) (KTTKS)
Rigin (GQPR)

PAR ACTIVATING PEPTIDES BACHEM

PIONEERING PARTNER FOR PEPTIDES

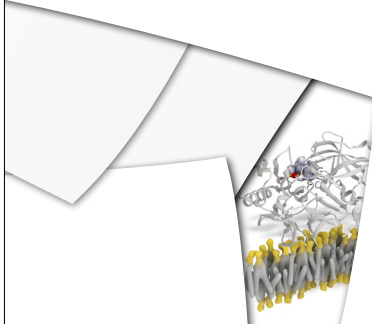


PAR ACTIVATING PEPTIDES

PAR-1 Peptides (TRAP Peptides)
PAR-2 Peptides
PAR-3 Peptides
PAR-4 Peptides

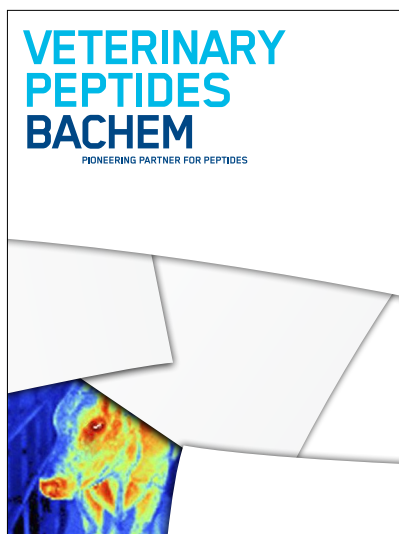
SECRETASE SUBSTRATES INHIBITORS BACHEM

PIONEERING PARTNER FOR PEPTIDES



SECRETASE SUBSTRATES AND INHIBITORS

β -Secretase Substrates
 β -Secretase Inhibitors
 γ -Secretase Substrates
 γ -Secretase Inhibitors
ADAM-17 (TACE) Substrates
Related Products



VETERINARY PEPTIDES

LHRH Generic APIs

Non-Peptide Generic APIs

- LHRH Analogs (research grade)
- Oxytocin, Carbetocin (research grade)
- Desmopresin, Vasopressin (research grade)
- Peptides in Pancreatic Disorders (research grade)
- Diagnostics (research grade)
- Prospective Drugs (research grade)
- Non-Peptide Drugs (research grade)



VIP/PACAP PEPTIDES

VIP, Prepro VIP, Analogs and Fragments

PACAP and Fragments

PAC1 Agonists and Antagonists

FOR PRACTICAL INFORMATION ON THE METHODS OF PEPTIDE PRODUCTION

BACHEM ALSO OFFERS

ACTH

Angiotensins

Adrenomedullin and Intermedin

Dipeptides

Growth Factors

Kinins

MCH and MSH

Natriuretic Peptides

Neuropeptides

Opioid Peptides

Peptide Substrates and Inhibitors

pTH and PTHrP

RGD peptides

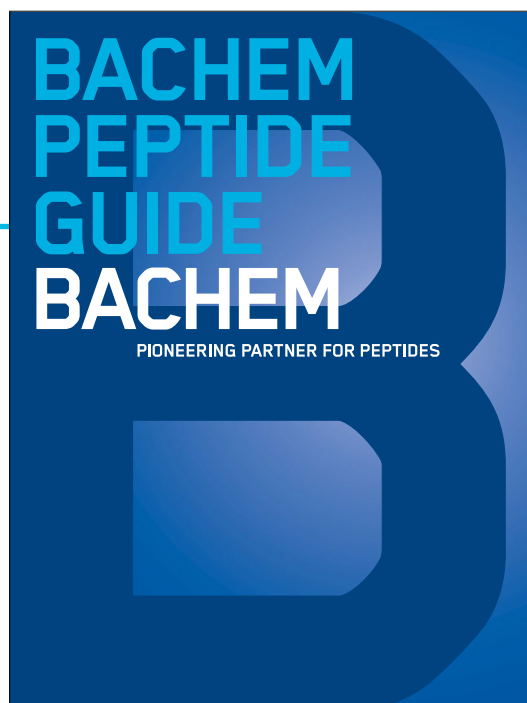
Stresscopin and Urotensin

Oxytocin and Vasopressin

Somatostatin

Tau Peptides

and many others



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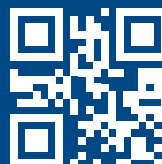
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