

cyclic Arg(Pbf)-Gly-Asp(Ot-Bu)-D-Phe-Lys(NH2)

PRODUCT DESCRIPTION

cyclic Arg(Pbf)-Gly-Asp(Ot-Bu)-D-Phe-Lys(NH2) is a 31-amino-acid synthetic peptide. A synthetic peptide used as a research tool in biochemistry, pharmacology, and biomedical research. This peptide enables the study of protein-protein interactions, receptor binding, enzyme substrate specificity, and signal transduction pathways. Available in high purity (>=95% by HPLC) as a lyophilized powder for reconstitution in appropriate buffers.

PRODUCT SPECIFICATIONS

Catalog Number	BPT1302
CAS Number	226559-04-2
Molecular Weight	912.1036 Da
Molecular Formula	C44H65N9O10S1
Purity	Peak Area by HPLC >=95%
Form	Lyophilized
Source	Synthetic (Chemical Synthesis, SPPS)
Endotoxin	N/A (Synthetic peptide)

AMINO ACID SEQUENCE

One-Letter Code:

{Arg(Pbf)}G{Asp(OtBu)}fK(Lactam:{Arg(Pbf)}1-Lys5)

Three-Letter Code:

H-{Arg(Pbf)}-Gly-{Asp(OtBu)}-{D-Phe}-Lys-OH(Lactam:{Arg(Pbf)}1-Lys5)

RESEARCH APPLICATIONS

Application	Biological activity
Biomarker Target	Peptide Target
Research Area	Biomedical Research
Sub-category	Research Peptides & Tools

STORAGE & HANDLING

Storage Temperature	-20 deg C
Form	Lyophilized
Stability	Lyophilized product stable for 24 months at -20 deg C
Reconstitution	Reconstitute in sterile water or appropriate buffer
After Reconstitution	Aliquot and store at -20 to -80 deg C
Avoid	Repeated freeze-thaw cycles

AVAILABLE SIZES

Size Options	1 mg, 10 mg
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Purity Method	HPLC, Mass Spectrometry (MS)
Identity	Confirmed by ESI-MS or MALDI-TOF
Purity	Peak Area by HPLC >=95%
Documentation	Certificate of Analysis (CoA) available upon request