

[Fmoc-Glu70,Ala71,72,Lys74]-C3a (70-77)

PRODUCT DESCRIPTION

[Fmoc-Glu70,Ala71,72,Lys74]-C3a (70-77) is a 12-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 ($\geq 95\%$ by HPLC) as a lyophilized powder for reconstitution in appropriate buffers.

PRODUCT SPECIFICATIONS

Catalog Number	BPT1069
CAS Number	145082-23-1
Molecular Weight	1093.2717 Da
Molecular Formula	C53H80N12O13
Purity	Peak Area by HPLC $\geq 95\%$
Form	Lyophilized
Source	Synthetic (Chemical Synthesis, SPPS)
Endotoxin	N/A (Synthetic peptide)

AMINO ACID SEQUENCE

One-Letter Code:

Fmoc-EAALKLAR

Three-Letter Code:

Fmoc-Glu-Ala-Ala-Leu-Lys-Leu-Ala-Arg-OH

RESEARCH APPLICATIONS

Application	Immune activation
Biomarker Target	Complement System
Research Area	Immunology
Sub-category	Complement System & Innate Immunity

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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Usage

Research use

QUALITY CONTROL

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