

Nogo-66 (1-40)

PRODUCT DESCRIPTION

Nogo-66 (1-40) is a 44-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	BPT1306
CAS Number	475221-20-6
Molecular Weight	4625.1 Da
Molecular Formula	C206H324N56O65
Purity	Peak Area by HPLC >=95%
Form	Lyophilized
Source	Synthetic (Chemical Synthesis, SPPS)
Endotoxin	N/A (Synthetic peptide)

AMINO ACID SEQUENCE

One-Letter Code:

Ac-RIYKGVIIQAIQKSDGHPFRAYLESEVAISEELVQKYSNS-NH2

Three-Letter Code:

Ac-Arg-Ile-Tyr-Lys-Gly-Val-Ile-Gln-Ala-Ile-Gln-Lys-Ser-Asp-Glu-Gly-His-Pro-Phe-Arg-Ala-Tyr-Leu-Glu-Ser-Glu-Val-Ala-Ile-Ser-Glu-Glu-Leu-Val-Gln-Lys-Tyr-Ser-Asn-Ser-NH2

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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Usage

Research use

QUALITY CONTROL

Purity Method

HPLC, Mass Spectrometry (MS)

Identity

Confirmed by ESI-MS or MALDI-TOF

Purity

Peak Area by HPLC $\geq 95\%$

Documentation

Certificate of Analysis (CoA) available upon request