

FOXO4-DRI (D-Ile-D-Ile-M144-D-ALLO-Ile)

PRODUCT DESCRIPTION

FOXO4-DRI (D-Ile-D-Ile-M144-D-ALLO-Ile) is a 46-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	BPT0196
Molecular Weight	5358.0426 Da
Molecular Formula	C228H388N86O64
Purity	Peak Area by HPLC >=95%
Form	Lyophilized
Source	Synthetic (Chemical Synthesis, SPPS)
Endotoxin	N/A (Synthetic peptide)

AMINO ACID SEQUENCE

One-Letter Code:

ltlrkepaseiaqsileaysqnGwanrrsGGkrpprrrrqrrkkrG

Three-Letter Code:

H-{D-Leu}-{D-Thr}-{D-Leu}-{D-Arg}-{D-Lys}-{D-Glu}-{D-Pro}-{D-Ala}-{D-Ser}-{D-Glu}-{D-Ile}-{D-Ala}-{D-Gln}-{D-Ser}-{D-Ile}-{D-Leu}-{D-Glu}-{D-Ala}-{D-Tyr}-{D-Ser}-{D-Gln}-{D-Asn}-Gly-{D-Trp}-{D-Ala}-{D-Asn}-{D-Arg}-{D-Arg}-{D-Ser}-Gly-Gly-{D-Lys}-{D-Arg}-{D-Pro}-{D-Pro}-{D-Pro}-{D-Arg}-{D-Arg}-{D-Arg}-{D-Gln}-{D-Arg}-{D-Arg}-{D-Lys}-{D-Lys}-{D-Arg}-Gly-OH

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
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