

MARCKS Substrate (151-175)

PRODUCT DESCRIPTION

MARCKS Substrate (151-175) is a 34-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	BPT0653
Molecular Weight	3320.6884 Da
Molecular Formula	C147H246N41O40P3
Purity	Peak Area by HPLC >=95%
Form	Lyophilized
Source	Synthetic (Chemical Synthesis, SPPS)
Endotoxin	N/A (Synthetic peptide)

AMINO ACID SEQUENCE

One-Letter Code:

KKKKKRF{pSer}FKK{pSer}FKLSGF{pSer}FKKNKK

Three-Letter Code:

H-Lys-Lys-Lys-Lys-Lys-Arg-Phe-{pSer}-Phe-Lys-Lys-{pSer}-Phe-Lys-Leu-Ser-Gly-Phe-{pSer}-Phe-Lys-Lys-Asn-Lys-Lys-OH

RESEARCH APPLICATIONS

Application	Enzyme activity
Biomarker Target	PKA Kinase
Research Area	Cell Signaling
Sub-category	Kinases, Substrates & Inhibitors

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