

(Ser(PO3H2)396.404)-Tau Peptide (379-408)

PRODUCT DESCRIPTION

(Ser(PO3H2)396.404)-Tau Peptide (379-408) is a 38-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	BPT2677
CAS Number	2022956-60-9
Molecular Weight	3423.5262 Da
Molecular Formula	C140H230N44O52P2
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:

RENAKAKTDHGAEIVYK{D-pSer}PVVSGDT{D-pSer}PRHL

Three-Letter Code:

H-Arg-Glu-Asn-Ala-Lys-Ala-Lys-Thr-Asp-His-Gly-Ala-Glu-Ile-Val-Tyr-Lys-{D-pSer}-Pro-Val-Val-Ser-Gly-Asp-Thr-{D-pSer}-Pro-Arg-His-Leu-OH

RESEARCH APPLICATIONS

Application	Neurotoxicity & Aggregation
Biomarker Target	Amyloid-beta / Tau
Research Area	Neuroscience
Sub-category	Neurodegeneration & Alzheimer's Disease

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