

Gluten Exorphin B5

PRODUCT DESCRIPTION

Gluten Exorphin B5 is a 5-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	BPT0496
CAS Number	68382-18-3
Molecular Weight	594.6572 Da
Molecular Formula	C30H38N6O7
Purity	Peak Area by HPLC >=95%
Form	Lyophilized
Source	Synthetic (Chemical Synthesis, SPPS)
Endotoxin	N/A (Synthetic peptide)

AMINO ACID SEQUENCE

One-Letter Code:

YGGWL

Three-Letter Code:

H-Tyr-Gly-Gly-Trp-Leu-OH

RESEARCH APPLICATIONS

Application	Bioactive food peptide
Biomarker Target	Food-derived Bioactive
Research Area	Nutrition
Sub-category	Food-derived Bioactive Peptides

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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