

Larazotide

PRODUCT DESCRIPTION

Larazotide acetate (AT-1001) is a first-in-class tight junction modulator for celiac disease. Zonulin receptor antagonist that blocks gluten-induced tight junction opening, maintaining epithelial barrier integrity. Advanced through Phase 2 clinical trials with symptomatic improvement.

PRODUCT SPECIFICATIONS

Catalog Number	BPT2912
CAS Number	881851-50-9
Molecular Weight	785.89 Da
Purity	Peak Area by HPLC >=95%
Form	Lyophilized
Source	Synthetic (Chemical Synthesis, SPPS)
Endotoxin	N/A (Synthetic peptide)

AMINO ACID SEQUENCE

One-Letter Code:

Gly-Gly-Val-Leu-Val-Gln-Pro-Gly

Three-Letter Code:

H-Gly-{D-Leu}-{D-Tyr}-Gly-{D-Leu}-{D-Tyr}-Val-{D-Ala}-{D-Leu}-Leu-{D-Glu}-{D-Sec}-Val-{D-Ala}-{D-Leu}-Gly-{D-Leu}-{D-Asn}-Pro-{D-Arg}-{D-Pyl}-Gly-{D-Leu}-{D-Tyr}-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