

PLG-NH2 / MIF-1

PRODUCT DESCRIPTION

MIF-1 (melanostatin) is an endogenous tripeptide from oxytocin's C-terminus that crosses the BBB. Positive allosteric modulator of D2/D4 dopamine receptors, opioid receptor antagonist, and alpha-MSH release inhibitor. Investigated for Parkinson's disease and depression.

PRODUCT SPECIFICATIONS

Catalog Number	BPT2897
CAS Number	2002-44-0
Molecular Weight	284.35 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:

Pro-Leu-Gly-NH2

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)
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Identity	Confirmed by ESI-MS or MALDI-TOF
Purity	Peak Area by HPLC >=95%
Documentation	Certificate of Analysis (CoA) available upon request