

Rev 01
Update: Aug,13,2025**DATASHEET**

MAP

Cat. No.: RP30926

Overview

Synonyms	MAP
Description	MAP - KLAL - PN159 is an amphiphilic cell penetrating peptide (CPP) that can be used as a cargo delivery system across cell membranes and to study intracellular processes. This lysine-rich peptide is able to translocate through the cell membrane and facilitate the delivery of various cargoes such as proteins, peptides, antibodies, and liposomes. In addition, PN159 peptide was found to be able to modulate tight junctions in intestinal epithelial and blood-brain barrier models. It forms an α -helix and can change its secondary structure to a beta-sheet upon binding to the cell membrane.
Sequence	{Lys}{Leu}{Ala}{Leu}{Lys}{Leu}{Ala}{Leu}{Lys}{Ala}{Leu}{Lys}{Ala}{Ala}{Leu}{Lys}{Leu}{Ala}
Sequence Shortening	KLALKLALKALKKAALKLA
Molecular Formula	C90H169N23O19
Molecular Weight	1877.48

Properties

Length	18
Purity	>95%
Solubility	Soluble in dimethyl sulfoxide (Analytical grade) under 1mg/ml
Form	Lyophilized
Storage	Store at -20°C. Keep tightly closed. Store in a cool dry place.

Manufacturer: Nanjing GenScript Biotech Co., Ltd. No. 28 Yongxi Road, Jiangning District, Nanjing, Jiangsu, China