

Parasin I acetate(219552-69-9 free base)

Chemical Properties

CAS No. :

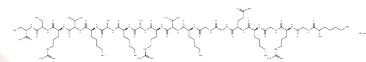
Formula: C84H158N34O26

Molecular Weight: 2060.36

Keep away from moisture

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Parasin I acetate is a potent 19-residue antimicrobial peptide isolated from the skin mucus of wounded catfish (Parasilurus asotus).
Targets(IC50)	Antibacterial
In vitro	Parasin I with comparable antimicrobial activities localized to the cell membrane and subsequently permeabilized the outer and cytoplasmic membranes. Parasin I and its active analogs show strong cytoplasmic membrane permeabilizing activity[1]. Codon optimized parasin I fused with human lysozyme is expressed in Pichia pastoris, and has potent antibiotic activity[2].

Solubility Information

Solubility	DMSO: Insoluble, H2O: 10 mM, Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.4854 mL	2.4268 mL	4.8535 mL
5 mM	0.0971 mL	0.4854 mL	0.9707 mL
10 mM	0.0485 mL	0.2427 mL	0.4854 mL
50 mM	0.0097 mL	0.0485 mL	0.0971 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Koo YS, et al. Structure-activity relations of parasin I, a histone H2A-derived antimicrobial peptide. Peptides. 2008 Jul;29(7):1102-8.

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