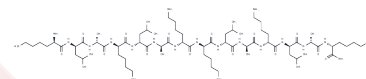


d-(KLAKLAK)₂, Proapoptotic Peptide

Chemical Properties

CAS No. :	721397-24-6
Formula:	C72H139N21O14
Molecular Weight:	1523.01
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	d-(KLAKLAK) ₂ is an antimicrobial and antitumor peptide, notable within the group of antimicrobial peptides, and exhibits strong anticancer properties. It kills bacteria by disrupting their cell membranes, causing leakage of cell contents. Additionally, d-(KLAKLAK) ₂ inhibits tumor cell proliferation by inducing apoptosis through mitochondrial swelling and membrane damage.
Targets(IC50)	Apoptosis, Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.6566 mL	3.283 mL	6.5659 mL
5 mM	0.1313 mL	0.6566 mL	1.3132 mL
10 mM	0.0657 mL	0.3283 mL	0.6566 mL
50 mM	0.0131 mL	0.0657 mL	0.1313 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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