

Calciseptin

Chemical Properties

CAS No. :	178805-91-9
Formula:	C299H468N90O87S10
Molecular Weight:	7036.12
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	Calciseptine, a neurotoxin isolated from the Black Mamba (<i>Dendroaspis p. polylepis</i>) venom, comprises 60 amino acids and is stabilized by four disulfide bonds. It specifically targets and blocks L-type calcium channels [1].
Targets(IC50)	Calcium Channel

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.1421 mL	0.7106 mL	1.4212 mL
5 mM	0.0284 mL	0.1421 mL	0.2842 mL
10 mM	0.0142 mL	0.0711 mL	0.1421 mL
50 mM	0.0028 mL	0.0142 mL	0.0284 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.

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