

## Calcicludine

## Chemical Properties

CAS No. :	178036-64-1
Formula:	C321H476N86O78S6
Molecular Weight:	6980.13
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	Calcicludine, a protein toxin derived from the green mamba ( <i>Dendroaspis angusticeps</i> ) venom, selectively inhibits high-voltage-activated, particularly L-type, calcium channels with an IC50 of 88 nM and plays a role in excitatory synaptic transmission [1] [2].
Targets(IC50)	Calcium Channel

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.1433 mL	0.7163 mL	1.4326 mL
5 mM	0.0287 mL	0.1433 mL	0.2865 mL
10 mM	0.0143 mL	0.0716 mL	0.1433 mL
50 mM	0.0029 mL	0.0143 mL	0.0287 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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