

Dendrotoxin-I

Chemical Properties

CAS No. :	107950-33-4
Formula:	C312H491N99O83S6
Molecular Weight:	7149.24
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	Dendrotoxin-I, a neurotoxin from Dendroaspis snake venom, potently blocks K ⁺ channels, specifically targeting voltage-gated potassium channel subunits KV1.1 and KV1.2 [1] [2] [3].
Targets(IC50)	Potassium Channel
In vivo	Dendrotoxin-I (5 mg/kg; IV) significantly inhibits tumor growth when combined with hyperthermia [3].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.1399 mL	0.6994 mL	1.3988 mL
5 mM	0.028 mL	0.1399 mL	0.2798 mL
10 mM	0.014 mL	0.0699 mL	0.1399 mL
50 mM	0.0028 mL	0.014 mL	0.028 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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