

Dendrotoxin K

Chemical Properties

CAS No. :	119128-61-9
Formula:	C294H462N84O75S6
Molecular Weight:	6559.66
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 K, a Kv1.1 channel blocker, modulates glutamate release in CA3 neurons by regulating the presynaptic spike waveform in a time-dependent manner [1].
Targets(IC50)	Potassium Channel

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.1524 mL	0.7622 mL	1.5245 mL
5 mM	0.0305 mL	0.1524 mL	0.3049 mL
10 mM	0.0152 mL	0.0762 mL	0.1524 mL
50 mM	0.003 mL	0.0152 mL	0.0305 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

Ni X, Yu X, Ye Q, et al. Desflurane improves electrical activity of neurons and alleviates oxygen-glucose deprivation-induced neuronal injury by activating the Kcna1-dependent Kv1.1 channel. *Experimental Brain Research*. 2024: 1-14.

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