

Cicutoxin

Chemical Properties

CAS No. :	505-75-9
Formula:	C17H22O2
Molecular Weight:	258.355
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Cicutoxin is a convulsant compound. It inhibits Na ⁺ and K ⁺ channels and suppresses the γ -aminobutyric acid pathway. As a potent GABA antagonist, Cicutoxin induces recurrent seizures and exhibits cholinergic activity. Its primary targets are the brain and skeletal muscles. Cicutoxin can be isolated from [Cicuta maculata] and [Cicuta douglasii].
Targets(IC50)	GABA Receptor, Potassium Channel, Sodium Channel

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.8706 mL	19.3528 mL	38.7057 mL
5 mM	0.7741 mL	3.8706 mL	7.7411 mL
10 mM	0.3871 mL	1.9353 mL	3.8706 mL
50 mM	0.0774 mL	0.3871 mL	0.7741 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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