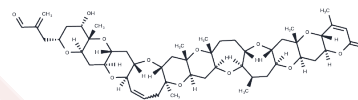


## Brevetoxin B

## Chemical Properties

CAS No. :	79580-28-2
Formula:	C50H70O14
Molecular Weight:	895.096
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	Brevetoxin B is a polyketide neurotoxin produced by Karenia species and other dinoflagellates. It binds to site 5 on the alpha subunit of voltage-gated sodium channels (IC50 = 15 nM) on neurons at the neuromuscular junction, causing the channel to open irreversibly at potentials more negative than normal, discharging action potentials repetitively. Brevetoxin B is ichthyotoxic at nanomolar concentrations and is responsible for an illness described as neurotoxic shellfish poisoning.
Targets(IC50)	Others,Sodium Channel

## Solubility Information

Solubility	Ethyl Acetate: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1172 mL	5.586 mL	11.1719 mL
5 mM	0.2234 mL	1.1172 mL	2.2344 mL
10 mM	0.1117 mL	0.5586 mL	1.1172 mL
50 mM	0.0223 mL	0.1117 mL	0.2234 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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