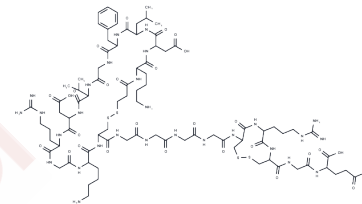


## Iberiotoxin

## Chemical Properties

CAS No. :	129203-60-7
Formula:	C179H274N50O55S7
Molecular Weight:	4230
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	Selective blocker of the big conductance Ca <sup>2+</sup> -activated K <sup>+</sup> channel.
Targets(IC50)	Potassium Channel

## Solubility Information

Solubility	H2O: 0.7 mg/mL (0.17 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.2364 mL	1.182 mL	2.3641 mL
5 mM	0.0473 mL	0.2364 mL	0.4728 mL
10 mM	0.0236 mL	0.1182 mL	0.2364 mL
50 mM	0.0047 mL	0.0236 mL	0.0473 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

Galvez et al (1990) Purification and characterization of a unique, potent, peptidyl probe for the high conductance calcium-activated potassium channel from venom of the scorpion *Buthus tamulus*. *J.Biol.Chem.* 265 11083 PMID:  
Suarez-Kurtz et al (1991) Effects of charybdotoxin and iberiotoxin on the spontaneous motility and tonus of different guinea-pig smooth muscle tissues. *J.Pharmacol.Exp.Ther.* 259 439 PMID:

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