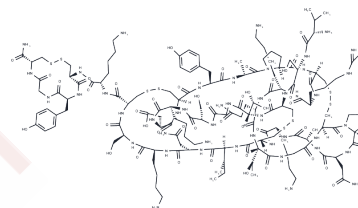


Maurotoxin

Chemical Properties

CAS No. :	188240-41-7
Formula:	C145H232N46O46S8
Molecular Weight:	3612.19
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	Maurotoxin, a 34-residue peptide featuring four disulfide bridges, is extracted from the chactoid scorpion (Scorpio maurus) and known to impede Shaker potassium channels (ShB) K+ flow, exhibiting an IC50 of 2 nM [1] [2].
Targets(IC50)	Potassium Channel

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.2768 mL	1.3842 mL	2.7684 mL
5 mM	0.0554 mL	0.2768 mL	0.5537 mL
10 mM	0.0277 mL	0.1384 mL	0.2768 mL
50 mM	0.0055 mL	0.0277 mL	0.0554 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481