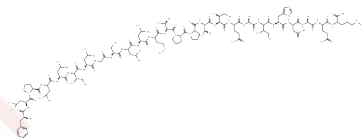


Poneratoxin

Chemical Properties

CAS No. :	137084-94-7
Formula:	C129H215N33O31S
Molecular Weight:	2756.35
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	Poneratoxin, a peptide toxin, regulates sodium currents in mammals and induces long-lasting pain [1].
Targets(IC50)	Sodium Channel
In vivo	Poneratoxin induces both immediate and sustained nocifensive behaviors in the C57BL/6J mouse model when administered via a single intraplantar injection at doses ranging from 20 to 600 pmol. In the blowfly model, a single intraperitoneal injection at doses between 0 and 100 nmol/g results in paralysis, with a PD 50 (1h) of 74.3 nmol/g [1]. [Animal Model: C57BL/6] mice model [1] Dosage: 20 to 600 pmol Administration: intraplantar injection, single dose Result: Caused spontaneous nocifensive behaviours. Animal Model: blowflies model [1] Dosage: 0-100 nmol/g Administration: Ip, single dose Result: Caused paralysis.]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.3628 mL	1.814 mL	3.628 mL
5 mM	0.0726 mL	0.3628 mL	0.7256 mL
10 mM	0.0363 mL	0.1814 mL	0.3628 mL
50 mM	0.0073 mL	0.0363 mL	0.0726 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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