

Poneratoxin acetate

Chemical Properties

CAS No. :

Formula: C129H215N33O31S.xC2H4O2

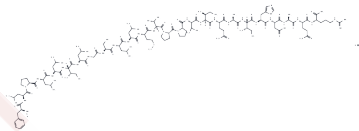
Molecular Weight:

Keep away from moisture

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	Poneratoxin acetate is a neurotoxic peptide and modulator of NaV1.6/NaV1.7, lowering the activation threshold of voltage-gated sodium channels and causing pain.
Targets(IC50)	Sodium Channel

Solubility Information

Solubility	DMSO: 120 mg/mL, Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 5 mg/mL, Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Reference

Robinson SD, et al., Ant venoms contain vertebrate-selective pain-causing sodium channel toxins. Nat Commun. 2023 May 23;14(1):2977.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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