

Ceratoxin-1

Chemical Properties

CAS No. :

Formula: C172H256N52O50S6

Molecular Weight: 4044.58

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	Ceratoxin-1 (CcoTx1) is a peptide toxin that functions as an inhibitor of various voltage-gated sodium channel subtypes. It selectively inhibits Nav1.1/ β 1, Nav1.2/ β 1, Nav1.4/ β 1, and Nav1.5/ β 1 with IC50 values of 523 nM, 3 nM, 888 nM, and 323 nM, respectively. Additionally, Ceratoxin-1 is known to inhibit Nav1.8/ β 1 [1].
Targets(IC50)	Sodium Channel

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.2472 mL	1.2362 mL	2.4724 mL
5 mM	0.0494 mL	0.2472 mL	0.4945 mL
10 mM	0.0247 mL	0.1236 mL	0.2472 mL
50 mM	0.0049 mL	0.0247 mL	0.0494 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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