

Imperatoxin A

Chemical Properties

CAS No. :	172451-37-5
Formula:	C148H254N58O45S6
Molecular Weight:	3758.35
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	Imperatoxin A, a peptide toxin sourced from the African scorpion <i>Pandinus imperator</i> , functions as an activator of Ca ²⁺ -release channels/ryanodine receptors (RyRs), facilitating increased Ca ²⁺ flow from the sarcoplasmic reticulum into the cell [1].
Targets(IC50)	Calcium Channel

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.2661 mL	1.3304 mL	2.6607 mL
5 mM	0.0532 mL	0.2661 mL	0.5321 mL
10 mM	0.0266 mL	0.133 mL	0.2661 mL
50 mM	0.0053 mL	0.0266 mL	0.0532 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.

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