

ATX-II

Chemical Properties

CAS No. :	60748-45-0
Formula:	C ₂₁ H ₃₂ N ₆ O ₆ S ₆
Molecular Weight:	4934.62
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	ATX-II, an Na ⁺ channel modulator toxin derived from the sea anemone (<i>Anemonia sulcata</i>), causes delayed inactivation of the Na ⁺ channels and has been linked to pulmonary vein arrhythmogenesis and atrial fibrillation [1] [2]. It exhibits interaction with halothane, caffeine, and ryanodine.
Targets(IC50)	Sodium Channel

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.2026 mL	1.0132 mL	2.0265 mL
5 mM	0.0405 mL	0.2026 mL	0.4053 mL
10 mM	0.0203 mL	0.1013 mL	0.2026 mL
50 mM	0.0041 mL	0.0203 mL	0.0405 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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