

## Anthopleurin-A

## Chemical Properties

CAS No. :	60880-63-9
Formula:	C220H326N64O67S6
Molecular Weight:	5131.72
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	Anthopleurin-A, a sodium channel toxin, is selective for cardiac channels and has a cardiotoxic effect. It can be isolated from the sea anemone [1] [2].
Targets(IC50)	Sodium Channel
In vitro	Anthopleurin-A (2 nM-640 nM) increases the contractile force of isolated feline papillary muscles [2].
In vivo	Intravenous administration of Anthopleurin-A (0.2 µg/kg/min) enhances myocardial contractility in anesthetized dogs [2].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.1949 mL	0.9743 mL	1.9487 mL
5 mM	0.039 mL	0.1949 mL	0.3897 mL
10 mM	0.0195 mL	0.0974 mL	0.1949 mL
50 mM	0.0039 mL	0.0195 mL	0.039 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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