

## Aam-KTX

## Chemical Properties

CAS No. :

Formula: C174H288N58O48S7

Molecular Weight: 4184.96

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	Aam-KTX, a toxic peptide sourced from Mesobuthus eupeus scorpion venom, acts as a selective K <sub>v</sub> channel inhibitor, exhibiting IC <sub>50</sub> values of 1.1 nM for K <sub>v</sub> 1.3 channels and >750 nM for K <sub>v</sub> 1.1 channels. This compound shows promise for research in autoimmune diseases [1].
Targets(IC50)	Potassium Channel

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.239 mL	1.1948 mL	2.3895 mL
5 mM	0.0478 mL	0.239 mL	0.4779 mL
10 mM	0.0239 mL	0.1195 mL	0.239 mL
50 mM	0.0048 mL	0.0239 mL	0.0478 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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