

## Stromatoxin 1

## Chemical Properties

CAS No. :	741738-59-0
Formula:	C156H237N49O48S7
Molecular Weight:	3791.31
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	Stromatoxin 1, a peptide isolated from tarantulas, acts as an inhibitor of various potassium channels, including K(V)2.1, K(V)2.2, K(V)4.2, and K(V)2.1/9.3. It selectively targets K(V)2.1 and K(V)2.2 channel subunits, which are crucial in counteracting myogenic and neurogenic contractions of rat urinary bladder smooth muscle (UBSM) [1].
Targets(IC50)	Potassium Channel

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.2638 mL	1.3188 mL	2.6376 mL
5 mM	0.0528 mL	0.2638 mL	0.5275 mL
10 mM	0.0264 mL	0.1319 mL	0.2638 mL
50 mM	0.0053 mL	0.0264 mL	0.0528 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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Tel: 781-999-4286 E\_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481