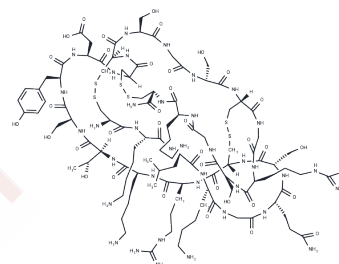


## w-Conotoxin SVIB

## Chemical Properties

CAS No. :	150433-82-2
Formula:	C105H176N38O36S6
Molecular Weight:	2739.14
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	$\omega$ -Conotoxin SVIB, a peptide toxin derived from Conus venoms, exhibits inhibition of the twitch response with an IC50 value of 37 nM and can induce respiratory distress. At high concentrations, it has been shown to be lethal to mice [1] [2].
Targets(IC50)	Calcium Channel
In vitro	$\omega$ -Conotoxin SVIB, when applied at concentrations ranging from 0.1 to 1000 nM for 20 minutes, suppresses the twitch response at a frequency of 0.1 Hz, exhibiting an inhibitory concentration (IC50) of 37 nM [2].
In vivo	w-Conotoxin SVIB, administered subcutaneously at a dose of 20 pmol/g, induces paralysis and mortality in fish. In mice, it provokes respiratory distress at approximately 70 pmol/g and becomes fatal at a dose near 300 pmol/g [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.3651 mL	1.8254 mL	3.6508 mL
5 mM	0.073 mL	0.3651 mL	0.7302 mL
10 mM	0.0365 mL	0.1825 mL	0.3651 mL
50 mM	0.0073 mL	0.0365 mL	0.073 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**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481