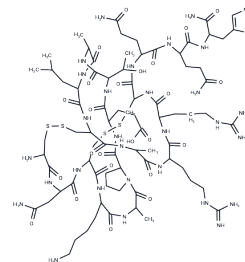


Apamin

Chemical Properties

CAS No. :	24345-16-2
Formula:	C79H131N31O24S4
Molecular Weight:	2027.34
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	Apamin (Apamine) is an 18 amino acid peptide neurotoxin found in apitoxin (bee venom) that selectively blocks Ca ²⁺ -activated K ⁺ (SK) channels and exhibits anti-inflammatory and anti-fibrotic activity. This component of bee venom is strongly basic in nature.
Targets(IC50)	Potassium Channel

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.4933 mL	2.4663 mL	4.9326 mL
5 mM	0.0987 mL	0.4933 mL	0.9865 mL
10 mM	0.0493 mL	0.2466 mL	0.4933 mL
50 mM	0.0099 mL	0.0493 mL	0.0987 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.

Reference

Kim JY, et al. Apamin suppresses biliary fibrosis and activation of hepatic stellate cells. *Int J Mol Med.* 2017 May;39(5):1188-1194.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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