

Apamin TFA (24345-16-2 free base)

Chemical Properties

CAS No. :

Formula: C₈₁H₁₃₂F₃N₃O₂₆S₄

Molecular Weight: 2141.36

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	Apamin TFA (Apamine TFA) is a toxin found in bee venom. It is a potent blocker of small conductance Ca ²⁺ -activated K ⁺ (SK, KCa ₂) channels that is more effective at SK ₂ than SK ₁ and SK ₃ .
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.467 mL	2.335 mL	4.6699 mL
5 mM	0.0934 mL	0.467 mL	0.934 mL
10 mM	0.0467 mL	0.2335 mL	0.467 mL
50 mM	0.0093 mL	0.0467 mL	0.0934 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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