

Hongotoxin-1

Chemical Properties

CAS No. :

Formula: C181H299N53O49S7

Molecular Weight: 4226.13

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	Hongotoxin-1, a chemical compound isolated from the venom of Centruroides limbatus, functions as a potassium channel inhibitor. It exhibits inhibitory concentrations (IC50) for potassium channel subtypes Kv1.1, Kv1.2, Kv1.3, and Kv1.6 at 31 pM, 170 pM, 86 pM, and 6000 pM, respectively [1].
Targets(IC50)	Potassium Channel

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.2366 mL	1.1831 mL	2.3662 mL
5 mM	0.0473 mL	0.2366 mL	0.4732 mL
10 mM	0.0237 mL	0.1183 mL	0.2366 mL
50 mM	0.0047 mL	0.0237 mL	0.0473 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