

BmP02

Chemical Properties

CAS No. :

Formula: C115H182N36O41S7

Molecular Weight: 2949.35

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	BmP02, a compound isolated from Chinese scorpion (<i>Buthus martensi</i> Karsch) venom, acts as a selective Kv1.3 channel blocker and a highly-selective Kv4.2 modulator. It delays Kv4.2 inactivation in HEK293T cells, exhibiting an EC50 of approximately 850 nM, and inhibits the transient outward potassium currents (Ito) in ventricular muscle cells [1] [2].
Targets(IC50)	Potassium Channel

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.3391 mL	1.6953 mL	3.3906 mL
5 mM	0.0678 mL	0.3391 mL	0.6781 mL
10 mM	0.0339 mL	0.1695 mL	0.3391 mL
50 mM	0.0068 mL	0.0339 mL	0.0678 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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