

KV1.3-IN-1

Chemical Properties

CAS No. :

Formula: C23H30N2O4S

Molecular Weight: 430.56

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	KV1.3-IN-1 (Compound trans-18) is a selective KV1.3 channel inhibitor with IC50 values of 230 nM in Ltk cells and 26.12 nM in PHA-activated T-lymphocytes, disrupting intracellular Ca ²⁺ signaling and impeding T-cell activation, proliferation, and colony formation [1].
Targets(IC50)	Potassium Channel

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3226 mL	11.6128 mL	23.2256 mL
5 mM	0.4645 mL	2.3226 mL	4.6451 mL
10 mM	0.2323 mL	1.1613 mL	2.3226 mL
50 mM	0.0465 mL	0.2323 mL	0.4645 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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