

Protein kinase inhibitor 5 sulfate hydrate

Chemical Properties

CAS No. :

Formula: C₂₉H₃₅F₂N₇O₆S

Molecular Weight: 647.69

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	Protein kinase inhibitor 5 sulfate hydrate, a potent TRK-A inhibitor, exhibits an IC ₅₀ of 1.8 nM and impairs cell viability [1].
Targets(IC ₅₀)	Trk receptor
In vitro	Protein kinase inhibitor 5 sulfate hydrate, at concentrations ranging from 0.014 to 10 μM and applied for 72 hours, exhibits a GI ₅₀ value of less than 1 nM on TEL-NTRK1-BaF3 cells [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5439 mL	7.7197 mL	15.4395 mL
5 mM	0.3088 mL	1.5439 mL	3.0879 mL
10 mM	0.1544 mL	0.772 mL	1.5439 mL
50 mM	0.0309 mL	0.1544 mL	0.3088 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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