Data Sheet (Cat.No.T62027)

TargetMol

GAK inhibitor 49 hydrochloride

Chemical Properties

CAS No. :

Formula: C20H23ClN2O5

Molecular Weight: 406.86

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	GAK inhibitor 49 hydrochloride is a potent, highly selective, ATP-competitive inhibitor of cyclin G-associated kinase (GAK) with a Ki of 0.54 nM and a cell IC50 of 56 nM. It can also bind to RIPK2.
Targets(IC50)	Others,Serine/threonin kinase
In vitro	GAK inhibitor 49 (compound 49) hydrochloride exhibits limited inhibition of AAK1, BMP2K, and STK16, with IC50 values of 28 μM, 63 μM, and >100 μM, respectively [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4578 mL	12.2892 mL	24.5785 mL
5 mM	0.4916 mL	2.4578 mL	4.9157 mL
10 mM	0.2458 mL	1.2289 mL	2.4578 mL
50 mM	0.0492 mL	0.2458 mL	0.4916 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.

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