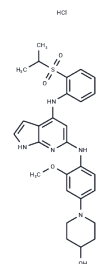


Mps1-IN-1 dihydrochloride

Chemical Properties

CAS No. : 1883548-93-3
 Formula: C₂₈H₃₅Cl₂N₅O₄S
 Molecular Weight: 608.58
 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	Mps1-IN-1 dihydrochloride, a potent ATP-competitive inhibitor of Mps1 kinase, exhibits an IC ₅₀ of 367 nM. It effectively inhibits the activity of Mps1 mitotic kinase and disrupts spindle assembly checkpoint (SAC) function, thereby reducing the viability of both cancerous and 'normal' cells.
Targets(IC ₅₀)	Others,Kinesin

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6432 mL	8.2158 mL	16.4317 mL
5 mM	0.3286 mL	1.6432 mL	3.2863 mL
10 mM	0.1643 mL	0.8216 mL	1.6432 mL
50 mM	0.0329 mL	0.1643 mL	0.3286 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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