

CHK1-IN-4 hydrochloride

Chemical Properties

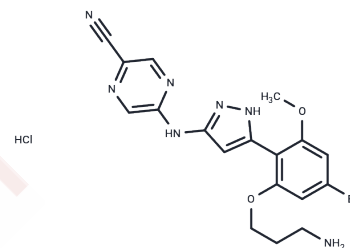
CAS No. :

Formula: C₁₈H₁₉BrClN₇O₂

Molecular Weight: 480.75

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	CHK1-IN-4 hydrochloride is a potent inhibitor of checkpoint kinase 1 (chk1). CHK1-IN-4 hydrochloride potently inhibits chk1 phosphorylation in the tumor cells. CHK1-IN-4 hydrochloride has anti-tumor activity.
Targets(IC50)	Chk
In vivo	CHK1-IN-4 hydrochloride (40 mg/kg, IV, twice a week) could enhance anti-tumor growth activity of CPT1 in the tumor model[1].

Solubility Information

Solubility	DMSO: 5 mg/mL (10.4 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0801 mL	10.4004 mL	20.8008 mL
5 mM	0.416 mL	2.0801 mL	4.1602 mL
10 mM	0.208 mL	1.040 mL	2.0801 mL
50 mM	0.0416 mL	0.208 mL	0.416 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.

Reference

Xiong Cai, et al. 3,5-disubstituted pyrazoles useful as checkpoint kinase 1 (chk1) inhibitors, and their preparations and applications. WO2017132928A1.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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