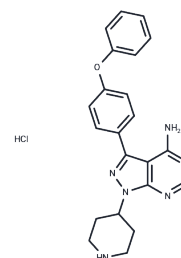


N-piperidine Ibrutinib hydrochloride

Chemical Properties

CAS No. :	2231747-18-3
Formula:	C ₂₂ H ₂₃ ClN ₆ O
Molecular Weight:	422.91
Appearance:	no data available
Storage:	keep away from direct sunlight,keep away from moisture
	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	N-piperidine Ibrutinib hydrochloride is a potent BTK inhibitor, a BTK ligand, inhibits WT BTK and C481S BTK, which can be used to synthesize a range of PROTAC molecules. N-piperidine Ibrutinib hydrochloride has potential anticancer activity, inhibiting the growth and proliferation of cancer cells.
Targets(IC50)	BTK
In vitro	N-piperidine Ibrutinib hydrochloride can be used to synthesize effective PROTAC BTK degraders, such as SJF638, SJF678, and SJF608[2].

Solubility Information

Solubility	DMSO: 80 mg/mL (189.16 mM), Sonication is recommended. H ₂ O: 30 mg/mL (70.94 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	2.3646 mL	11.8228 mL	23.6457 mL
5 mM	0.4729 mL	2.3646 mL	4.7291 mL
10 mM	0.2365 mL	1.1823 mL	2.3646 mL
50 mM	0.0473 mL	0.2365 mL	0.4729 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.

Reference

Buhimschi AD, et al. Targeting the C481S Ibrutinib-Resistance Mutation in Bruton's Tyrosine Kinase Using PROTAC-Mediated Degradation. Biochemistry. 2018 Jul 3;57(26):3564-3575.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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