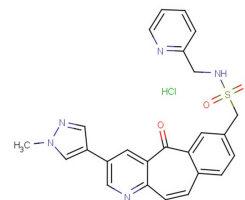


MK-8033 hydrochloride

Chemical Properties

CAS No.:	1283000-43-0
Formula:	C ₂₅ H ₂₂ ClN ₅ O ₃ S
Molecular Weight:	507.99
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	MK-8033 hydrochloride is a novel and specific dual ATP competitive inhibitor of c-Met/Ron (IC ₅₀ :1 nM Wt c-Met) under investigation as a treatment for cancer.
Targets(IC ₅₀)	Others: None

Solubility Information

Solubility	DMSO: < 1 mg/mL (insoluble or slightly soluble) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.969 mL	9.843 mL	19.685 mL
5 mM	0.394 mL	1.969 mL	3.937 mL
10 mM	0.197 mL	0.984 mL	1.969 mL
50 mM	0.039 mL	0.197 mL	0.394 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Northrup AB, et al, Discovery of 1-[3-(1-methyl-1H-pyrazol-4-yl)-5-oxo-5H-benzo[4,5]cyclohepta[1,2-b]pyridin-7-yl]-N-(pyridin-2-ylmethyl)methanesulfonamide (MK-8033): A Specific c-Met/Ron dual kinase inhibitor with preferential affinity for the activated
2. Bhardwaj V, et al. C-Met inhibitor MK-8003 radiosensitizes c-Met-expressing non-small-cell lung cancer cells with radiation-induced c-Met-expression. J Thorac Oncol. 2012 Aug;7(8):1211-7.

Inhibitors · Natural Compounds · Compound Libraries

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