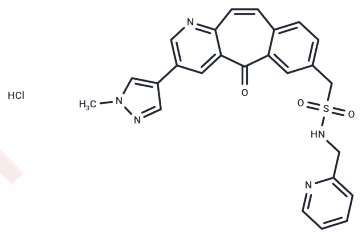
Data Sheet (Cat.No.T12068)

TargetMol

MK-8033 hydrochloride

Chemical Properties



CAS No. : 1283000-43-0

Formula: C25H22ClN5O3S

Molecular Weight: 507.99

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

Description	MK-8033 hydrochloride is an effective and orally active dual inhibitor of ATP competitive c-Met/Ron, with 1 nM for c-Met and 7nM for Ron IC50. MK-8033 hydrochloride has a high affinity for activated kinase conformation, and is suitable for the study of breast cancer, bladder cancer, and non-small cell lung cancer (NSCLC).
Targets(IC50)	Others

Solubility Information

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

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9685 mL	9.8427 mL	19.6854 mL
5 mM	0.3937 mL	1.9685 mL	3.9371 mL
10 mM	0.1969 mL	0.9843 mL	1.9685 mL
50 mM	0.0394 mL	0.1969 mL	0.3937 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

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

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.

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