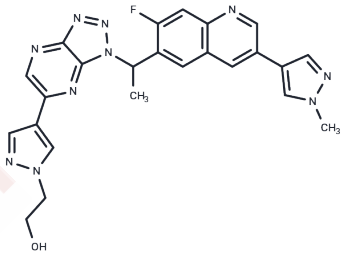
Data Sheet (Cat.No.T10654)

TargetMol

c-Met-IN-2

Chemical Properties



CAS No. : 1635406-73-3

Formula: C24H21FN10O

Molecular Weight: 484.49

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	c-Met-IN-2 is a selective and orally available c-Met inhibitor (IC50: 0.6 nM) exhibiting antitumor activity.
Targets(IC50)	c-Met/HGFR
In vitro	c-Met-IN-2 (Compound 14) exhibits weak activity on other kinases, with IC50 values of 731 nM [RON], 1075 nM [Axl], 18364 nM [VEGFR2], 2357 nM [PDGFRa], 5396 nM [c-Kit], and 17056 nM [c-Src].
In vivo	In mice bearing H1993 tumors, c-Met-IN-2 (0.1, 1, 10 mg/kg, p.o., once daily) significantly reduces the volume of tumors. c-Met-IN-2 has a similar effect in SNU-5 xenograft model via oral administration at 0.3, 1 and 3 mg/kg.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.064 mL	10.3201 mL	20.6403 mL
5 mM	0.4128 mL	2.064 mL	4.1281 mL
10 mM	0.2064 mL	1.032 mL	2.064 mL
50 mM	0.0413 mL	0.2064 mL	0.4128 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

Zhao F, et al. Identification of 3-substituted-6-(1-(1H-[1,2,3]triazolo[4,5-b]pyrazin-1-yl)ethyl)quinoline derivatives as highly potent and selective mesenchymal-epithelial transition factor (c-Met) inhibitors via metabolite profiling-based structural optimization. Eur J Med Chem. 2017 Jul 7;134:147-158.

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