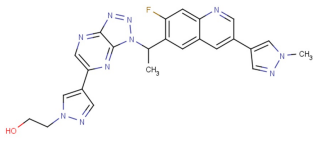
Data Sheet (Cat.No.T10654)

TargetMol
A DRUG SCREENING EXPERT

c-Met-IN-2

Chemical Properties



CAS No.:	1635406-73-3
Formula:	C24H21FN10O
Molecular Weight:	484.49
Appearance:	N/A
Storage:	0-4℃ for short term (days to weeks), or -20℃ for long term (months).

Biological Description

Description	c-Met-IN-2 is a selective and orally available c-Met inhibitor (IC50: 0.6 nM) with antitumor activity.
Targets(IC_{50})	c-Met: 0.6 nM
In vitro	c-Met-IN-2 (Compound 14) also shows weak activity on other kinases, with IC50s of 731 nM (RON), 1075 nM (Axl), 18364 nM (VEGFR2), 2357 nM (PDGFRa), 5396 nM (c-Kit), 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.

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.064 mL	10.32 mL	20.64 mL
5 mM	0.413 mL	2.064 mL	4.128 mL
10 mM	0.206 mL	1.032 mL	2.064 mL
50 mM	0.041 mL	0.206 mL	0.413 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 ℃ for 6 months; - 20 ℃ for 1 month. Please use it as soon as possible.

Reference

1. 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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