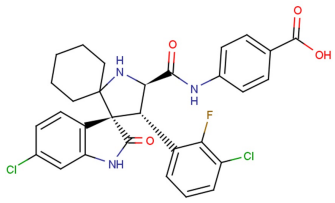
Data Sheet (Cat.No.T12031)

TargetMol
A DRUG SCREENING EXPERT

MI-1061

Chemical Properties



CAS No.:	1410737-34-6
Formula:	C30H26Cl2FN3O4
Molecular Weight:	582.45
Appearance:	N/A
Storage:	0-4℃ for short term (days to weeks), or -20℃ for long term (months).

Biological Description

Description	MI-1061 is a orally bioavailable inhibitor of MDM2 (MDM2-p53 interaction) (IC50=4.4 nM).
Targets(IC_{50})	MDM2: (ki)0.16 nM
In vitro	MI-1061 achieves IC50 of 100 and 250 nM in the SJSA-1 and HCT-116 p53+/+ cell lines, respectively[1].
In vivo	MI-1061 was able to achieve tumor regression in oral SJSA-1 xenograft model mice[1].

Solubility Information

Solubility	DMSO: 300 mg/mL (515.07 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.717 mL	8.584 mL	17.169 mL
5 mM	0.343 mL	1.717 mL	3.434 mL
10 mM	0.172 mL	0.858 mL	1.717 mL
50 mM	0.034 mL	0.172 mL	0.343 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. Aguilar A, et al. Design of chemically stable, potent, and efficacious MDM2 inhibitors that exploit the retro-mannichring-opening-cyclization reaction mechanism in spiro-oxindoles. J Med Chem. 2014 Dec 26;57(24):10486-98.

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