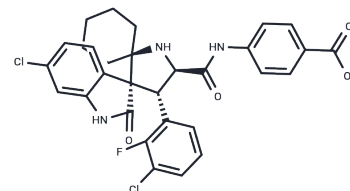


MI-1061

Chemical Properties

CAS No. : 1410737-34-6
Formula: C₃₀H₂₆Cl₂FN₃O₄
Molecular Weight: 582.45
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	MI-1061 is a orally bioavailable inhibitor of MDM2 (MDM2-p53 interaction) (IC ₅₀ =4.4 nM).
Targets(IC ₅₀)	Mdm2
In vitro	MI-1061 achieves IC ₅₀ 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),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7169 mL	8.5844 mL	17.1689 mL
5 mM	0.3434 mL	1.7169 mL	3.4338 mL
10 mM	0.1717 mL	0.8584 mL	1.7169 mL
50 mM	0.0343 mL	0.1717 mL	0.3434 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

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-

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481