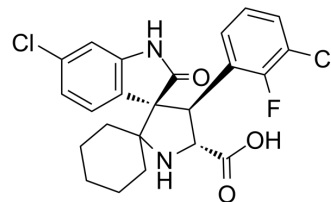


MDM2-IN-1

Cat. No.:	HY-130684
CAS No.:	1410737-09-5
Molecular Formula:	C ₂₃ H ₂₁ Cl ₂ FN ₂ O ₃
Molecular Weight:	463.33
Target:	MDM-2/p53
Pathway:	Apoptosis
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 22 mg/mL (47.48 mM; ultrasonic and warming and heat to 80°C)					
	DMF : 10 mg/mL (21.58 mM; ultrasonic and warming and heat to 60°C)					
	Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
		1 mM		2.1583 mL	10.7914 mL	21.5829 mL
5 mM			0.4317 mL	2.1583 mL	4.3166 mL	
10 mM		0.2158 mL	1.0791 mL	2.1583 mL		
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.25 mg/mL (4.86 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	MDM2-IN-1 (Compound 30) is a synthetic MDM2-p53 interaction (MDM2) inhibitor and contains the trans (D-)configuration ^[1] .
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REFERENCES

[1]. Aguilar A, et al. Design of chemically stable, potent, and efficacious MDM2 inhibitors that exploit the retro-mannich ring-opening-cyclization reaction mechanism in spiro-oxindoles. J Med Chem. 2014 Dec 26;57(24):10486-98.

Caution: Product has not been fully validated for medical applications. For research use only.

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