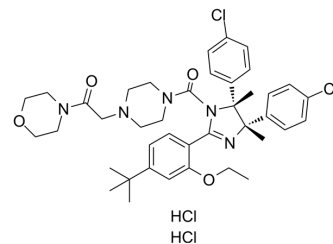


p53 and MDM2 proteins-interaction-inhibitor dihydrochloride

Cat. No.:	HY-70027A
CAS No.:	2070009-27-5
Molecular Formula:	C ₄₀ H ₅₁ Cl ₄ N ₅ O ₄
Molecular Weight:	807.68
Target:	MDM-2/p53; E1/E2/E3 Enzyme
Pathway:	Apoptosis; Metabolic Enzyme/Protease
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (123.81 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
		1 mM		1.2381 mL	6.1906 mL	12.3811 mL
		5 mM		0.2476 mL	1.2381 mL	2.4762 mL
10 mM		0.1238 mL	0.6191 mL	1.2381 mL		
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (3.10 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 2.5 mg/mL (3.10 mM); Suspended solution; Need ultrasonic					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (3.10 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	p53 and MDM2 proteins-interaction-inhibitor dihydrochloride is an inhibitor of the interaction between p53 and MDM2 proteins.
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REFERENCES

[1]. Chen R, et al. A Fusion Protein of the p53 Transaction Domain and the p53-Binding Domain of the Oncoprotein MdmX as an Efficient System for High-Throughput Screening of MdmX Inhibitors. *Biochemistry*. 2017 Jun 27;56(25):3273-3282.

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

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