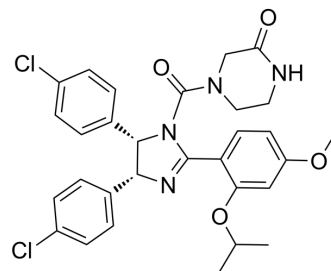


Nutlin-3b

Cat. No.:	HY-15335
CAS No.:	675576-97-3
Molecular Formula:	C ₃₀ H ₃₀ Cl ₂ N ₄ O ₄
Molecular Weight:	581.49
Target:	MDM-2/p53; E1/E2/E3 Enzyme
Pathway:	Apoptosis; Metabolic Enzyme/Protease
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 2 years -20°C 1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 100 mg/mL (171.97 mM)
 * "≥" means soluble, but saturation unknown.

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		1.7197 mL	8.5986 mL	17.1972 mL
	5 mM		0.3439 mL	1.7197 mL	3.4394 mL
	10 mM		0.1720 mL	0.8599 mL	1.7197 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
 Solubility: ≥ 2.5 mg/mL (4.30 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
 Solubility: ≥ 2.5 mg/mL (4.30 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Nutlin-3b is a p53/MDM2 inhibitor with an IC₅₀ of 13.6 μM. Nutlin-3b is 150 times less potent in binding to MDM2 than Nutlin-3a^[1].

IC₅₀ & Target

IC₅₀: 13.6 μM (MDM2/p53)^[1]

REFERENCES

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA