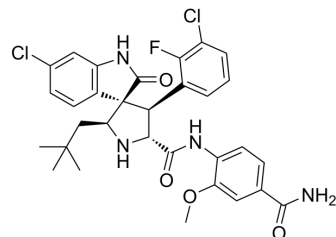


RO8994

Cat. No.:	HY-16999		
CAS No.:	1309684-94-3		
Molecular Formula:	C ₃₁ H ₃₁ Cl ₂ FN ₄ O ₄		
Molecular Weight:	613.51		
Target:	MDM-2/p53; E1/E2/E3 Enzyme; Apoptosis		
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 : ≥ 45 mg/mL (73.35 mM)
 * "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	1.6300 mL	8.1498 mL	16.2997 mL
	5 mM	0.3260 mL	1.6300 mL	3.2599 mL
	10 mM	0.1630 mL	0.8150 mL	1.6300 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: ≥ 2.08 mg/mL (3.39 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
 Solubility: ≥ 2.08 mg/mL (3.39 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

RO8994 is a highly potent and selective MDM2 inhibitor with IC₅₀ of nM (HTRF binding assay) and 20 nM (MTT proliferation assay).

REFERENCES

- [1]. Zhang Z, et al. Discovery of potent and selective spiroindolinone MDM2 inhibitor, RO8994, for cancer therapy. *Bioorg Med Chem*. 2014 Aug 1;22(15):4001-4009.

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

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