

RO8994

## Chemical Properties

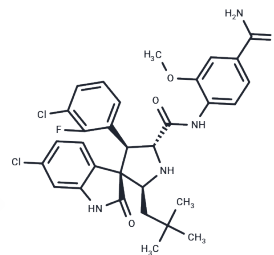
CAS No. : 1309684-94-3

Formula: C<sub>31</sub>H<sub>31</sub>Cl<sub>2</sub>FN<sub>4</sub>O<sub>4</sub>

Molecular Weight: 613.51

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



## Biological Description

Description	RO8994 is a highly effective and specific inhibitor of spiroindolinone small-molecule MDM2, with IC <sub>50</sub> of 20 nM (MTT proliferation assays) and 5 nM (HTRF binding assays).
Targets(IC <sub>50</sub> )	Mdm2,E1/E2/E3 Enzyme,p53

## Solubility Information

Solubility	DMSO: 50 mg/mL (81.5 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	1.630 mL	8.1498 mL	16.2997 mL
5 mM	0.326 mL	1.630 mL	3.2599 mL
10 mM	0.163 mL	0.815 mL	1.630 mL
50 mM	0.0326 mL	0.163 mL	0.326 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

Zhang Z,et al. Discovery of potent and selective spiroindolinone MDM2 inhibitor, RO8994, for cancer therapy. Bioorg Med Chem. 2014 Aug 1;22(15):4001-9.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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