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产品名称: **RO8994**

产品别名: **RO8994**

生物活性:				
Description	RO8994 is a highly potent and selective series of spiroindolinone small-molecule MDM2 inhibitor, with IC50 of 5 nM (HTRF binding assays) and 20 nM (MTT proliferation assays). IC50 value: 5 nM (in HTRF binding assays), 20 nM (in MTT proliferation assays) Target: MDM2 in vitro: RO8994 represents a new generation of p53-MDM2 antagonists with marked improvement in pharmacological properties for potential clinical development. RO8994 induces dose-dependent up-regulation of p53 target genes and apoptosis in wild-type p53 cancer cells, consistent with its non-genotoxic mechanism of p53 activation. in vivo: RO8994 displays remarkable tumor growth inhibition in the wild-type p53, MDM2-amplified SJSA-1 osteosarcoma tumor xenograft model - exhibiting significant (>60%) tumor growth inhibition at the low dose of 1.56 mg/kg, tumor stasis at 3.125 mg/kg and regression at 6.25 mg/kg.			
Solvent&Solubility	In Vitro: DMSO : ≥ 45 mg/mL (73.35 mM) * "≥" means soluble, but saturation unknown.			
	Preparing Stock Solutions	<div>Solvent / Mass / Concentration</div>	1 mg	5 mg
		1 mM	1.6300 mL	8.1498 mL
		5 mM	0.3260 mL	1.6300 mL
		10 mM	0.1630 mL	0.8150 mL
	*请根据产品在不同溶剂中的溶解度选择合适的溶剂配制储备液; 一旦配成溶液, 请分装保存, 避免反复冻融造成的产品失效。 储备液的保存方式和期限 -80℃, 6 months; -20℃, 1 month。 -80℃ 储存时, 请在 6 个月内使用, -20℃ 储存时, 请在 1 个月内使用。			
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.			