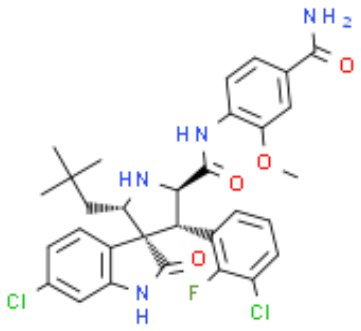
Product Data Sheet

Cas No.:	1309684-94-3	Cat. No:	PL06997
Product Name:	RO8994		
Product synonym:	RO8994		
Chemical name:	RO8994		
MF:	C31H31CL2FN4O4	FW:	613.5066
Purity:	≥99%	Batch No.:	-
Storage:			
Structural formula:			
λmax：	-	Formulation：	-
Solubility :			
SMILES :	ClC1C([H])=C([H])C2=C(C=1[H])N([H])C([C@@]12C([H])(C2C([H])=C([H])C([H])=C(C=2F)Cl)C([H])(C(N([H])C2C([H])=C([H])C(C(N([H])[H])=O)=C([H])C=2OC([H])([H])[H])=O)N([H])C1([H])C([H])([H])C(C([H])([H])[H])(C([H])([H])[H])C([H])([H])[H])=O		
InChI Code:	-		
InChI Key:			
WARNING This product is not for human or veterinary use.			

Product Description

RO8994是一种高效的选择性MDM2抑制剂, IC50为nM (HTRF结合检测) 和20 nM (MTT增殖检测)。

生物活性	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
包装储存	Powder -20°C 3 years； 4°C 2 years
溶解度数据	In Vitro: DMSO : ≥ 45 mg/mL (73.35 mM)配制储备液