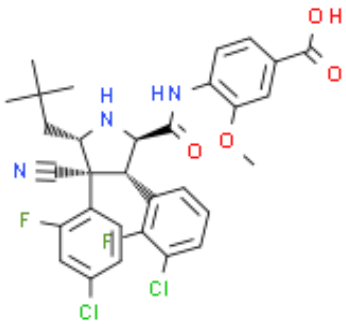
Product Data Sheet

Cas No.:	1229705-06-9	Cat. No:	PL04497
Product Name:	Idasanutlin		
Product synonym:	RG7388 抑制剂;依达奴林		
Chemical name:	Idasanutlin		
MF:	C31H29CL2F2N3O4	FW:	616.4825
Purity:	≥99%	Batch No.:	-
Storage:			
Structural formula:			
λmax：	-	Formulation：	-
Solubility :			
SMILES :	ClC1=C([H])C([H])=C([H])C(=C1F)[C@@]1([H])[C@]([H])(C(N([H])C2C([H])=C([H])C(C(=O)O[H])=C([H])C=2OC([H])([H])[H])=O)N([H])[C@@]([H])(C([H])([H])C(C([H])([H])[H])(C([H])([H])[H])C([H])([H])[H])[C@]1(C#N)C1C([H])=C([H])C(=C([H])C=1F)Cl		
InChI Code:	-		
InChI Key:			
WARNING This product is not for human or veterinary use.			

Product Description

Idasanutlin (RG7388) 是一种有效，选择性的 MDM2 拮抗剂，能够抑制 p53-MDM2 的结合，IC_{50} 值为 6 nM。

生物活性	Idasanutlin (RG7388) is a potent and selective MDM2 antagonist, inhibiting p53-MDM2 binding, with an IC 50 of 6 nM.
IC50 & Target[1][2]	IC50: 6 nM (p53-MDM2)
体外研究(In Vitro)	Idasanutlin (RG7388) inhibits cell proliferation with IC50 of 30 nM, and induces dose-dependent p53 stabilization, cell cycle arrest, as well as cell apoptosis in cancer cells expressing wild-type p53. Idasanutlin (RG7388) (300 nM or 1.8 μM) induces apoptosis in SJSA osteosarcoma cells. has not independently confirmed the accuracy of these methods. They are for reference only.
体内研究(In Vivo)	Idasanutlin (RG7388, 25 mg/kg p.o.) results in tumor growth inhibition and regression, in the mouse SJSA human osteosarcoma xenograft model. Idasanutlin (RG7388) induces induction of apoptosis and antiproliferation, in the SJSA xenograft model. has not independently confirmed the accuracy of these methods. They are for reference only.
包装储存	Powder -20°C 3 years； 4°C 2 years

溶解度数据	In Vitro: DMSO : ≥ 45 mg/mL (73.00 mM)配制储备液