

Idasanutlin

Catalog No: tcsc1473



Available Sizes

Size: 5mg

Size: 10mg

Size: 50mg

Size: 100mg



Specifications

CAS No:

1229705-06-9

Formula:

$C_{31}H_{29}Cl_2F_2N_3O_4$

Pathway:

Apoptosis

Target:

MDM-2/p53

Purity / Grade:

>98%

Solubility:

DMSO : ≥ 45 mg/mL (73.00 mM)

Alternative Names:

RG7388

Observed Molecular Weight:

616.48

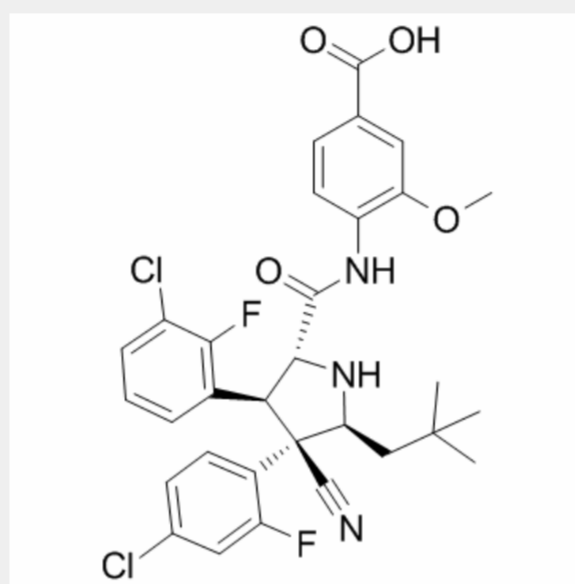
Product Description

Idasanutlin (RG7388) is a potent and selective **MDM2** antagonist, inhibiting p53-MDM2 binding, with an **IC₅₀** of 6 nM.

IC50 & Target: IC50: 6 nM (p53-MDM2)^[1]

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^[1]. Idasanutlin (RG7388) (300 nM or 1.8 μM) induces apoptosis in SJSa osteosarcoma cells^[2].

In Vivo: Idasanutlin (RG7388, 25 mg/kg p.o.) results in tumor growth inhibition and regression, in the mouse SJSa human osteosarcoma xenograft model^[1]. Idasanutlin (RG7388) induces induction of apoptosis and antiproliferation, in the SJSa xenograft model^[2].



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