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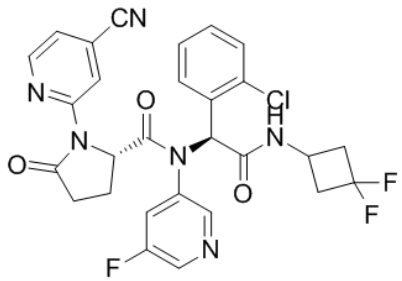
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	Ivosidenib
Cat. No.	:	PC-45550
CAS No.	:	1448347-49-6
Molecular Formula	:	$C_{28}H_{22}ClF_3N_6O_3$
Molecular Weight	:	582.9609
Target	:	Isocitrate Dehydrogenase (IDH)
Solubility	:	DMSO: ≥ 39 mg/mL



Biological Activity

Ivosidenib (AG-120) is a potent, mutant-selective inhibitor of **IDH1** (isocitrate dehydrogenase type 1) with IC50 of 12 nM for mouse IDH1 R132H.
Ivosidenib (AG-120) shows similar potency against IDH1-R132H (IC50=12 nM); IDH1-R132C (IC50=13 nM); IDH1-R132G (IC50=8 nM); IDH1-R132L (IC50=13 nM); IDH1-R132S (IC50=12 nM), respectively.
Ivosidenib (AG-120) (50 mg/kg and 150 mg/kg, orally gavage) suppresses tumor 2-HG concentration rapidly, with maximum inhibition (92.0% and 95.2% at the 50 mg/kg and 150 mg/kg doses, respectively).
Ivosidenib (AG-120) represent a worthwhile avenue of exploration in the treatment of IDH1-mutated tumors.

References

Cuyàs E, et al. ***Oncotarget.*** 2015 May 20;6(14):12279-96.

Cancer Discov. 2015 Jan;5(1):4.

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