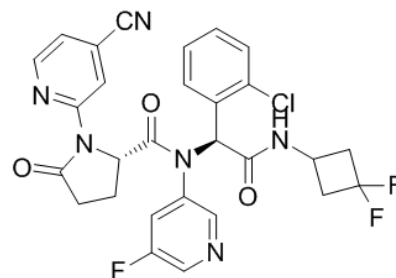


Product Name : Ivosidenib
Cat. No. : PC-45550
CAS No. : 1448347-49-6
Molecular Formula : C₂₈H₂₂ClF₃N₆O₃
Molecular Weight : 582.9609
Target : Isocitrate Dehydrogenase (IDH)
Solubility : DMSO: ≥ 39 mg/mL



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.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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