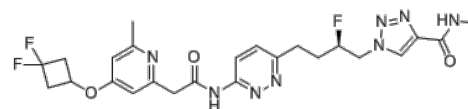


Product Name : IPN60090
Cat. No. : PC-21821
CAS No. : 1853164-83-6
Molecular Formula : C₂₄H₂₇F₃N₈O₃
Molecular Weight : 532.53
Target : Glutaminase
Solubility : 10 mM in DMSO



CAS: 1853164-83-6

Biological Activity

IPN60090 (IACS-6274) is a potent, selective glutaminase-1 (GLS-1) inhibitor with IC₅₀ of 31 nM, inhibits proliferation of A549 cells with IC₅₀ of 26 nM.

IPN60090 (IACS-6274) displays no activity observed against GLS-2 (IC₅₀>50 μM), shows no significant inhibition of the hERG channel or common cytochrome P450 enzymes, as well as a 97-member Eurofins DiscoverX kinase panel.

IPN60090 (IACS-6274) demonstrates robust in vivo target engagement when orally dosed to this model at doses of 25-100 mg/kg twice daily, at both 4 days and 28 days, inhibits tumor growth in Ru337 PDX subcutaneous mouse tumor model.

IPN60090 can specifically bind to the ZSWIM4 protein, exerts a significant chemosensitizing effect in both EOC cells and PDO models.

References

Soth MJ, et al. J Med Chem. 2020 Nov 12;63(21):12957-12977.

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

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