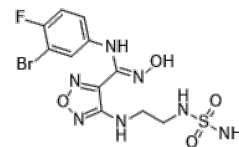


Product Name : Epacadostat
Cat. No. : PC-22836
CAS No. : 1204669-58-8
Molecular Formula : C₁₁H₁₃BrFN₇O₄S
Molecular Weight : 438.23
Target : Indoleamine 2,3-Dioxygenase (IDO)
Solubility : 10 mM in DMSO



Biological Activity

Epacadostat (INCB24360, INCB024360) is a highly potent and selective, oral bioavailable indoleamine-2,3-dioxygenase 1 (IDO1) inhibitor with IC₅₀ of 73 nM.

Epacadostat is highly potent IDO1 inhibitor in cells (HeLa IC₅₀=7.4 nM) and in an IFN-γ induced whole blood (WB) assay (IC₅₀=125 nM).

Epacadostat displays high selectivity (>1,000-fold) over the related dioxygenases, TDO and IDO2.

Epacadostat (50 mg/kg) reduced kynurenine levels in wild-type mice to basal levels present in IDO null mice (~400 nM kynurenine). Epacadostat is efficacious in rodent models of melanoma and well-tolerated in preclinical IND toxicology studies.

References

Yue EW, et al. ACS Med Chem Lett. 2017 Mar 6;8(5):486-491.

Prendergast GC, et al. Cancer Res. 2017 Dec 15;77(24):6795-6811.

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

E-mail: tech@probechem.com