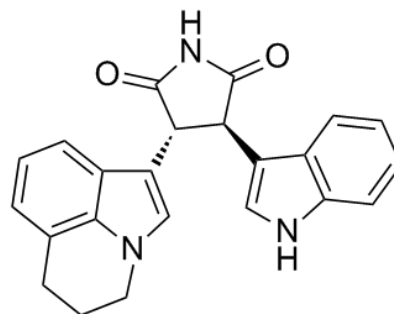


Product Name : Tivantinib
Cat. No. : PC-45842
CAS No. : 905854-02-6
Molecular Formula : C₂₃H₁₉N₃O₂
Molecular Weight : 369.4159
Target : c-Met (HGFR)
Solubility : 10 mM in DMSO



Biological Activity

Tivantinib (ARQ-197) is a potent, selective, non-ATP-competitive inhibitor of **c-Met** with K_i of 355 nM.

Tivantinib (ARQ-197) has no inhibition for EGFR, InsR, PDGFR α , FGFR1 and FGFR4 etc., only modest inhibition (35%) for Ron at 30 μ M.

Tivantinib (ARQ-197) inhibits constitutive c-Met phosphorylation in HT29 and MKN-45 cells, and HGF-induced c-Met phosphorylation in MDA-MB-231 and NCI-H441 cells with IC₅₀ of 100-300 nM.

Tivantinib (ARQ-197) shows antiproliferative activity against multiple cancer cell lines (IC₅₀=0.03-30 μ M).

Tivantinib (ARQ-197) exerts tumor growth inhibition in multiple mouse xenograft; orally active.

References

Munshi N, et al. *Mol Cancer Ther.* 2010 Jun;9(6):1544-53.

Eathiraj S, et al. *J Biol Chem.* 2011 Jun 10;286(23):20666-76.

Previdi S, et al. *Mol Cancer Ther.* 2012 Jan;11(1):214-23.

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

E-mail: tech@probechem.com