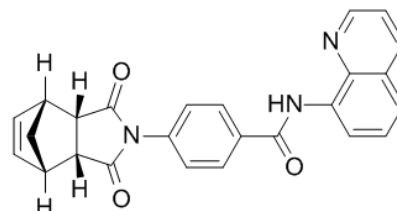


Product Name : IWR-1
Cat. No. : PC-42926
CAS No. : 1127442-82-3
Molecular Formula : C₂₅H₁₉N₃O₃
Molecular Weight : 409.4366
Target : Wnt
Solubility : DMSO: ≥ 46 mg/mL



Biological Activity

IWR-1 is a potent inhibitor of **Wnt signaling** with EC₅₀ of 0.2 μM.

IWR-1 induces Axin2 protein levels and promotes β-catenin phosphorylation by stabilizing Axin-scaffolded destruction complexes.

IWR-1 inhibits the promoting effect of MIF on NSPC differentiation to neuron lineage, partially reverses the FSH-induced inhibition of granulosa cell CARTPT mRNA expression.

References

Lu J, et al. *Bioorg Med Chem Lett*. 2009 Jul 15;19(14):3825-7.

Narwal M, et al. *J Med Chem*. 2012 Feb 9;55(3):1360-7.

Kulak O, et al. *Mol Cell Biol*. 2015 Jul;35(14):2425-35.

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

E-mail: tech@probechem.com