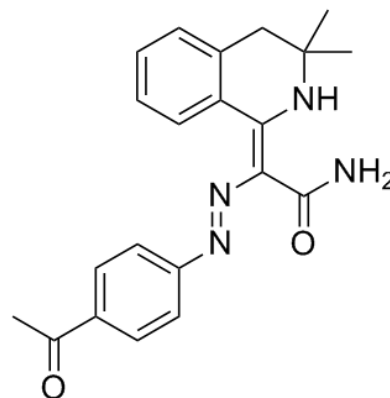


Product Name : IQ-1
Cat. No. : PC-42676
CAS No. : 331001-62-8
Molecular Formula : C₂₁H₂₂N₄O₂
Molecular Weight : 362.42498
Target : Beta-catenin
Solubility : DMSO: ≥ 33 mg/mL



Biological Activity

IQ-1 is a small molecule, specific inhibitor of **p300/β-catenin** interaction that binds to **PR72/130** subunit of PP2A. IQ-1 decreases phosphorylation of p300 at Ser-89 and disrupts β-catenin/p300 interaction. IQ-1 prevents β-catenin coactivator switching from CBP to p300, maintains the pluripotency of murine ESCs in long-term culture in a Wnt-dependent manner.

References

- Miyabayashi T, et al. *Proc Natl Acad Sci U S A*. 2007 Mar 27;104(13):5668-73.
Rieger ME, et al. *J Biol Chem*. 2016 Mar 18;291(12):6569-82.

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

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