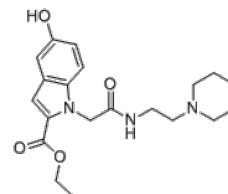


Product Name : KY-02327
Cat. No. : PC-63512
CAS No. : 2093407-25-9
Molecular Formula : C₂₀H₂₇N₃O₄
Molecular Weight : 373.453
Target : Dishevelled
Solubility : 10 mM in DMSO



Biological Activity

KY-02327 is an orally active, small molecule inhibitor of the **Dishevelled (Dvl)-CXXC5 interaction** with IC₅₀ of 3.1 μM, a metabolically stabilized KY-02061 analog.

KY-02327 is more stable by 2.3-fold and 1.3-fold than KY-02061 in rat liver microsomes and in human hepatocytes, respectively.

KY-02327 shows enhanced effect on induction of ALP activity of osteoblast cells compared with KY-02061.

KY-02327 activates the Wnt/β-catenin pathway, promotes osteoblast differentiation, and rescues BMD, bone volume, and trabecular bone structures in ovariectomized (OVX) mouse model.

References

Kim HY, et al. *EMBO Mol Med.* 2016 Apr 1;8(4):375-87.

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

E-mail: tech@probechem.com