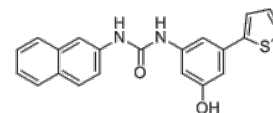


Product Name : FzM1
Cat. No. : PC-60976
CAS No. : 1680196-54-6
Molecular Formula : C₂₁H₁₆N₂O₂S
Molecular Weight : 360.43
Target : Frizzled
Solubility : 10 mM in DMSO



Biological Activity

FzM1 is a negative allosteric modulator of the **Frizzled4 (Fzd4)** receptor and a **Wnt/β-catenin** pathway inhibitor with pEC₅₀ value of 5.74 for inhibition of Wnt antagonism.

FzM1 induces conformational changes in Fz4 by interacting with the third intracellular loop, ICL3, inhibiting binding of dishevelled (Dsh) and hampering the formation of the Fz4-Dsh complex that is necessary for β-catenin nuclear transport and ultimately transcription of TCF/LEF-regulated genes.

References

Generoso SF, et al. *Nat Chem Biol.* 2015 Apr;11(4):280-6.

Riccio G, et al. *Biochemistry.* 2018 Jan 2. doi: 10.1021/acs.biochem.7b01087.

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

E-mail: tech@probechem.com