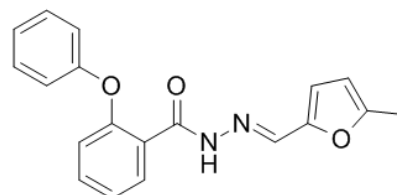


Product Name : PNU-74654
Cat. No. : PC-42324
CAS No. : 113906-27-7
Molecular Formula : C₁₉H₁₆N₂O₃
Molecular Weight : 320.34194
Target : Beta-catenin
Solubility : DMSO: ≥ 30 mg/mL



Biological Activity

PNU-74654 (PNU74654) is a potent Wnt/beta-catenin inhibitor by disrupting **Tcf/β-catenin** interaction binds to β-catenin with K_d of 450 nM.

PNU-74654 significantly decreases NCI-H295 cell proliferation (96 h, IC₅₀=69 nM), increases early and late apoptosis, decreases nuclear beta-catenin accumulation.

PNU-74654 impaires CTNNB1/beta-catenin expression and increases beta-catenin target genes.

References

Leal LF, et al. *Oncotarget*. 2015 Dec 15;6(40):43016-32.

Trosset JY, et al. *Proteins*. 2006 Jul 1;64(1):60-7.

Wang H, et al. *Inflamm Res*. 2016 Jan;65(1):61-9.

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

E-mail: tech@probechem.com