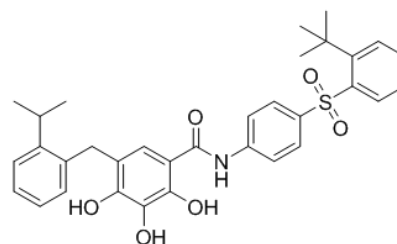


Product Name : TW-37
Cat. No. : PC-42836
CAS No. : 877877-35-5
Molecular Formula : C₃₃H₃₅NO₆S
Molecular Weight : 573.6991
Target : Bcl-2
Solubility : DMSO: ≥ 42 mg/mL



Biological Activity

TW-37 is a potent, nonpeptidic small-molecule inhibitor of **Bcl-2** with K_i of 290 nM, also binds to Bcl-xL and Mcl-1 with high affinities.

TW-37 potently inhibits cell growth in PC-3 prostate cancer cells with an IC₅₀ value of 200 nM and effectively induces apoptosis in a dose-dependent manner.

TW-37 shows antiangiogenic effect against endothelial cells (IC₅₀=1.8 uM) with no cytotoxic effects for fibroblasts.

TW-37 induces endothelial cell apoptosis by mitochondrial depolarization and activation of caspase-9 and caspase-3, decreases the density of functional human microvessels in mouse model of human angiogenesis.

References

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Wang Z, et al. *Cancer Res.* 2009 Apr 1;69(7):2757-65.

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Wang G, et al. *J Med Chem.* 2006 Oct 19;49(21):6139-42.

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

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