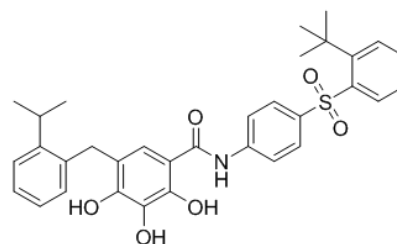


Product Name : TW-37
Cat. No. : PC-42836
CAS No. : 877877-35-5
Molecular Formula : C₃₃H₃₅NO₆S
Molecular Weight : 573.6991
Target : Bcl-2
Solubility : DMSO: ≥ 42 mg/mL



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; potently inhibits cell growth in PC-3 prostate cancer cells with an IC_{50} value of 200 nM and effectively induces apoptosis in a dose-dependent manner; shows antiangiogenic effect against endothelial cells (IC_{50} =1.8 μ M) with no cytotoxic effects for fibroblasts, 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.
Zeitlin BD, et al. Cancer Res. 2006 Sep 1;66(17):8698-706.
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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