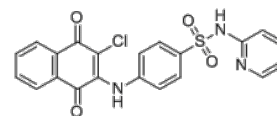


Product Name : BC-23
Cat. No. : PC-61804
CAS No. : 6298-15-3
Molecular Formula : C₂₁H₁₄ClN₃O₄S
Molecular Weight : 439.87
Target : Beta-catenin
Solubility : 10 mM in DMSO



Biological Activity

BC-23 (NSC 45382) is a novel inhibitor of **β-catenin/Tcf4** interaction with IC₅₀ of 1.7 μM.
BC-23 dose-dependently inhibits TOP-luciferase activity in H1299 cells with IC₅₀ of 2.3 μM.
BC-23 causes strong synergistic enhancement of the cancer cell death induced by low doses of radiation.
BC-23 effectively inhibits Wnt/β-catenin signaling and down-regulates c-Myc and cyclin D1 expression, induces S phase and ROS generation, and overcomes radioresistance in human NSCLC cells.

References

Zhang Q, et al. *PLoS One*. 2016 Mar 25;11(3):e0152407.

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

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