

Product Name : BC-23

Synonyms : BC23; NSC 45382

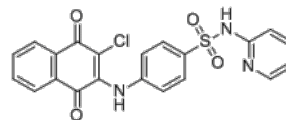
Cat No. : M15381

CAS Number : 6298-15-3

Molecular Formula : C₂₁H₁₄ClN₃O₄S

Formula Weight : 439.87

Chemical Name : 4-[(3-chloro-1,4-dioxonaphthalen-2-yl)amino]-N-pyridin-2-ylbenzenesulfonamide



Description : BC-23 (NSC 45382) is a novel inhibitor of β -catenin/Tcf4 interaction with IC₅₀ of 1.7 μ M; dose-dependently inhibits TOP-luciferase activity in H1299 cells with IC₅₀ of 2.3 μ M; causes strong synergistic enhancement of the cancer cell death induced by low doses of radiation; 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.

Pathway : Wnt/Notch/Hedgehog

Target : Beta-catenin

Receptor : Beta-catenin

Solubility : —

SMILES : O=S(C1=CC=C(NC(C2=O)=C(Cl)C(C3=C2C=CC=C3)=O)C=C1)(NC4=NC=CC=C4)=O

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

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