

UMI-77

Cat. # F7150, F7151

Also Known as: 2-[[4-[[[4-bromophenyl)sulfonyl]amino]-1-hydroxy-2-naphthalenyl]thio]-acetic acid

Formula: C₁₈H₁₄BrNO₅S₂

MW: 468.34 Da

CAS No.: 518303-20-3

Source: Synthetic

Form: Lyophilized powder

Solubility: 20 mg/ml in DMSO

Working Condition: 100 µM in cell culture assays

Concentration: N/A

Quality Assurance: >98% by HPLC and NMR

Description: UMI-77 is a selective Mcl-1 inhibitor by binding of the BH3-binding groove of Mcl-1, by which it blocks the interactions of Bax/Mcl-1 and Bak/Mcl-1. UMI-77 inhibits growth of pancreatic cancer cells with IC₅₀ of 3.4, 4.4, 12.5, 16.1, and 5.5 µM for BxPC-3, Panc-1, MiaPaCa-2, AsPC-1 and Capan-2 cells, respectively. UMI-77 induces apoptosis of various pancreatic cancer cell lines.

Storage: Eligible for room temperature shipping. Store at -80°C upon receiving; avoid multiple freeze-thaw cycles after dissolving in DMSO.

Note: Briefly spin the tube before removing the cap.

Literature: Abulwerdi F, *et al.* (2014) Mol Cancer Ther. 13(3), 565-575.

