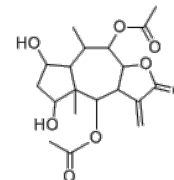


Product Name : Ubch5c inhibitor DHPO
Cat. No. : PC-72140
CAS No. : 33627-28-0
Molecular Formula : C₁₉H₂₆O₇
Molecular Weight : 366.4
Target : Ubiquitin-conjugating Enzyme (E2)
Solubility : 10 mM in DMSO



Biological Activity

Ubch5c inhibitor DHPO (Britanin, NSC145913) is a small molecule **Ubch5c** inhibitor, directly targets Ubch5c with KD of 37.5 uM.

DHPO effectively engaged by the Ubch5c protein in both Panc1 and SW1990 cells.

DHPO exerts significant growth inhibition in pancreatic cancer cells in vitro (IC₅₀=2.3-8.5 uM), prevents the migration and invasion of both Panc1 and SW1990 cells.

DHPO inhibits pancreatic cancer cell growth and metastasis by inhibiting the NF-κB pathway.

DHPO suppresses orthotopic pancreatic tumor growth in vivo, without causing significant host toxicity.

DHPO prevents metastasis of pancreatic cancer in vivo.

References

Simin Qi, et al. *Mol Cancer*. 2022 Mar 10;21(1):70.

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

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