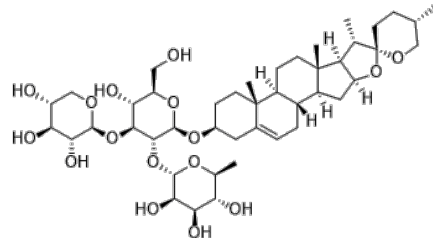


Product Name : CTL4 inhibitor DT-13
Cat. No. : PC-27125
CAS No. : 87480-46-4
Molecular Formula : C₄₄H₇₀O₁₆
Molecular Weight : 855.03
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

CTL4 inhibitor DT-13 is a potent small molecule choline transporter-like protein 4 (CTL4) inhibitor with IC₅₀ of 12.47 μM, directly binds to CTL4 with MST Kd of 0.64 μM, inhibits CTL4-mediated choline uptake.

DT-13 reduces choline and sphingomyelin (SM) levels in UWB1.289 cells in a dose-dependent manner.

DT-13 exhibits significantly great anti-invasive potency in BRCA1-KO KGN cells.

DT-13 significantly reduces the number of liver and gut metastatic nodules originating from BRCA1 KO orthotopic tumors in orthotopic and metastatic cancer model using BRCA1-KO KGN cells.

References

Wang C, et al. Nat Commun. 2026 Jun 20. doi: 10.1038/s41467-026-74652-2.

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

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