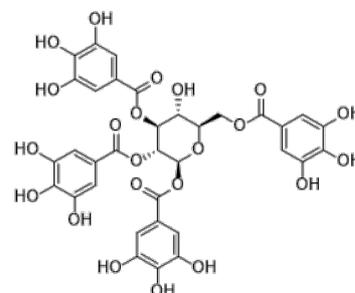


Product Name : TeGG
Cat. No. : PC-26075
CAS No. : 79886-50-3
Molecular Formula : C₃₄H₂₈O₂₂
Molecular Weight : 788.58
Target : Other Targets
Solubility : 10 mM in DMSO



CAS: 79886-50-3

Biological Activity

1,2,3,6-Tetragalloylglucose (TeGG) is a substrate competitive inhibitor of **UDP-glucuronyltransferase UGT1A1**, inhibits UGT1A1-mediated β -estradiol 3-glucuronidation and SN-38 glucuronidation with IC₅₀ of 6.01 μ M and 4.31 μ M, respectively. 1,2,3,6-Tetragalloylglucose (TeGG) directly binds to UGT1A1 with K_i of 3.55 μ M. 1,2,3,6-Tetragalloylglucose (TeGG) induces tumor cell apoptosis, inhibit cell proliferation, activates caspase-3 and induces DNA fragmentation in HL-60 cells. 1,2,3,6-Tetragalloylglucose (TeGG) also inhibits HIV integrase and reverse transcriptase, and inhibits HCV protease. 1,2,3,6-Tetragalloylglucose (TeGG) also inhibits heterogeneous **nuclear ribonucleoprotein A2B1** (A2B1), inhibits hnRNPA2B1/TRAIL Axis to attenuate apoptosis and barrier dysfunction in intestinal epithelial cells.

References

- Park JB, et al. *Food Chem Toxicol.* 2018 Oct;120:651-661.
Wang C, et al. *Cell Signal.* 2026 Feb 4;142:112411.
Zhang J, et al. *Pharm Res.* 2009 Sep;26(9):2066-80.

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

E-mail: tech@probechem.com