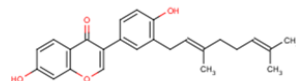


Product Name : Corylifol A
Synonyms : Corylifol-A; Corylinin
Cat No. : M19098
CAS Number : 775351-88-7
Molecular Formula : C₂₅H₂₆O₄
Formula Weight : 390.47
Chemical Name : —



Description : Corylifol A displays cytotoxic activity against HepG2 and Hep3B hepatocellular carcinoma cell lines, with IC₅₀ values of 4.6 and 13.5 µg/ml, respectively. Corylifol A and Biochanin A can be the potential uncouplers of neuronal nitric oxide synthase-postsynaptic density protein-95. Corylifol A and bavachin are strong inhibitors of UDP-glucuronosyltransferase 1A1 (UGT1A1) with the inhibition kinetic parameters (K_i) values lower than 1 µM. Corylifol A and bakuchiol are naturally occurring potent inhibitors of hCE2, with low K_i values ranging from 0.62 µM to 3.89 µM. Corylifol A shows an inhibitory effect on IL-6-induced STAT3 promoter activity in Hep3B cells with IC₅₀ values of 0.81 ± 0.15 µg, it also inhibits STAT3 phosphorylation induced by IL-6 in Hep3B cells, suggests that corylifol A has antiinflammatory activity.

Pathway : Others

Target : Other Targets

Receptor : UGT1A1;hCE2

Solubility : DMSO : ≥ 15.4 mg/mL; 39.44 mM

SMILES : CC(=CCCC(=CCC1=C(C=CC(=C1)C2=COC3=C(C2=O)C=CC(=C3)O)O)C)C

Storage : (-20°C)

Stability : ≥ 2 years

Reference :