

Product Name : Comuside

Synonyms : —

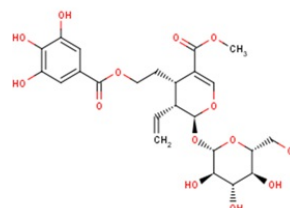
Cat No. : M17939

CAS Number : 131189-57-6

Molecular Formula : C₂₄H₃₀O₁₄

Formula Weight : 542.49

Chemical Name : —



Description : Comuside has immunomodulatory activity . Comuside suppresses expression levels of cytokine-induced proinflammatory and adhesion molecules in the human endothelial cells. Comuside can treat myocardial I/R and protect the liver from CCl₄-induced acute hepatotoxicity, by reducing oxidative stress and suppressing inflammatory responses. Comuside has anti-inflammatory activity by downregulations of iNOS and COX-2 due to NF-κB inhibition as well as the negative regulation of ERK1/2, p38, and JNK1/2 phosphorylations in RAW 264.7 cells. Comuside has protective potential against cerebral ischemic injury, may be due to the suppression of intracellular Ca(2+) elevation and caspase-3 activity, and improvements in mitochondrial energy metabolism and antioxidant properties.

Pathway : Endocrinology/Hormones

Target : AChR

Receptor : JNK1/2;ERK1/2

Solubility : —

SMILES : COC(=O)C1=COC(C1CCOC(=O)C2=CC(=C(C(=C2)O)O)O)C=C)OC3C(C(C(C(O3)CO)O)O)O

Storage : (-20°C)

Stability : ≥ 2 years

Reference :