

Product Name : Trifolirhizin

Synonyms : —

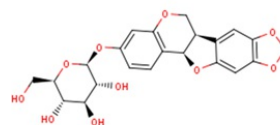
Cat No. : M18989

CAS Number : 6807-83-6

Molecular Formula : C₂₂H₂₂O₁₀

Formula Weight : 446.4

Chemical Name : —



Description : Trifolirhizin exerts varying degrees of inhibition on tyrosinase-dependent melanin biosynthesis, and therefore, are candidates as skin-whitening agents. Trifolirhizin possesses potential anti-inflammatory and anti-cancer activities. Trifolirhizin shows in vitro inhibitory effects on the growth of human A2780 ovarian and H23 lung cancer cells. Trifolirhizin inhibits acetylcholine mediated airway smooth muscle (ASM) contraction or directly relaxes pre-contracted ASM independent of β 2 - adrenoceptors.

Pathway : Others

Target : Other Targets

Receptor : Others; TNF- α

Solubility : —

SMILES : Oc1c2oc3c4cc5occc4c3c2cc1)[C@H](O)[C@@H](O)[C@@H]6O

Storage : (-20°C)

Stability : \geq 2 years

Reference :

1. Yang N, Liang B, et al. The Sophora flavescens flavonoid compound trifolirhizin inhibits acetylcholine induced airway smooth muscle contraction. Phytochemistry. 2013 Nov;95:259-267.