

Product Name : 12-O-Methylcamosic acid

Synonyms : —

Cat No. : M22698

CAS Number : 62201-71-2

Molecular Formula : C₂₁H₃₀O₄

Formula Weight : 346.46

Chemical Name : —

Description : 12-O-Methylcamosic acid is a diterpene camosic acid isolated from the acetone extract of *Salvia microphylla*, is an active constituent of 5 α -reductase inhibition with an IC₅₀ value of 61.7 μ M. 12-O-Methylcamosic acid has antioxidant activity, it is effective preventing gastric lesions. 12-O-Methylcamosic acid can suppress melanin production with downregulation of tyrosinase expression in HMV-II melanoma cells. 12-O-Methylcamosic acid may have anti-diabetic activity, it is able to significantly activate peroxisome proliferator-activated receptor (PPAR) γ .

Pathway : Endocrinology/Hormones

Target : Reductase

Receptor : 5- α reductase

Solubility : —

SMILES : [H][C@@]12CCc3cc(C(C)C)c(OC)c(O)c3[C@]1(CCCC2(C)C)C(O)=O

Storage : (-20°C)

Stability : \geq 2 years

Reference :

1. Phenolic diterpenes, flavones, and rosmarinic acid distribution during the development of leaves, flowers, stems, and roots of *Rosmarinus officinalis*. Antioxidant activity. J Agric Food Chem. 2003 Jul 16;51(15):4247-53.