

Product Name : Icaritin

Synonyms : Icaritin

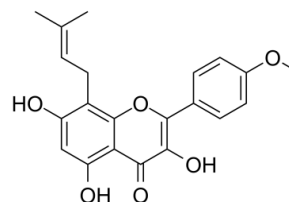
Cat No. : M17860

CAS Number : 118525-40-9

Molecular Formula : C₂₁H₂₀O₆

Formula Weight : 368.38

Chemical Name : 3,5,7-Trihydroxy-2-(4-methoxyphenyl)-8-(3-methyl-2-buten-1-yl)-4H-1-benzopyran-4-one



Description : Icaritin is an oral traditional Chinese medicine, derived from barrenwort, which targets the estrogen receptor α 36. IC₅₀ values for Icaritin are 8, 13 and 18 μ M for K562, CML-CP and CML-BC cells respectively. Icaritin inhibits the invasion and epithelial-to-mesenchymal transition of glioblastoma cells by targeting EMMPRIN via PTEN/Akt/HIF-1 α signalling. Icaritin suppresses hepatocellular carcinoma initiation and malignant growth through the IL-6/Jak2/Stat3 pathway. Icaritin activates JNK-dependent mPTP necrosis pathway in colorectal cancer cells.

Pathway : Others

Target : Other Targets

Receptor : JAK2; STAT3

Solubility : DMSO : 14 mg/mL 38.00 mM;

SMILES : CC(=CCc1c(cc(c2c1oc(c(=O)O)c1ccc(cc1)OC)O)O)C

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Zhu S, et al. Oncotarget. 2015 Apr 30;6(12):10460-72.