

Product Name : Kaempferol 3,7,4-trimethyl ether

Synonyms : Kaempferol 3,7,4'-trimethylether

Cat No. : M29174

CAS Number : 15486-34-7

Molecular Formula : C₁₈H₁₆O₆

Formula Weight : 328.3

Chemical Name : —

Description : Kaempferol 3,7,4'-trimethylether shows selective cytotoxic activities against the nine tested cancer cell lines. (In Vitro): The IC₅₀ values below or around 30 µg/mL were recorded with A. arundinaceum extract against eight of the nine tested cancer cell lines. This extract displayed IC₅₀ values below 40 µg/mL towards the nine tested cancer cell lines whilst A. polyanthum extract, Kaempferol 3,7,4'-trimethylether showed selective activities. Collateral sensitivity (hypersensitivity) was observed with A. arundinaceum extract towards leukemia CEM/ADR5000 cells and glioblastoma U87MG. ΔEGFR compared to their respective sensitive counterparts CEM/CEM and U87MG.

Pathway : Immunology/Inflammation

Target : NOS

Receptor : NO Synthase

Solubility : —

SMILES : COc1ccc(cc1)-c1cc2cc(OC)cc(O)c2c(=O)c1OC

Storage : (-20°C)

Stability : ≥ 2 years

Reference :