

Product Name : Ginsenoside Rg5

Synonyms : —

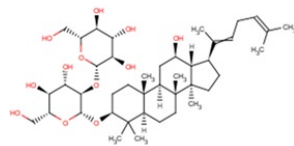
Cat No. : M18157

CAS Number : 186763-78-0

Molecular Formula : C₄₂H₇₀O₁₂

Formula Weight : 767.01

Chemical Name : —



Description : Ginsenoside Rg5 could be a beneficial agent for the treatment of Alzheimer's disease. Ginsenoside Rg5 suppresses LPS-induced nitric oxide (NO) production and proinflammatory TNF- α secretion. Ginsenoside Rg5 can ameliorate lung inflammation possibly by inhibiting the binding of LPS to toll-like receptor (TLR)-4 on macrophages. Ginsenoside Rg5 plays a novel role as an IGF-1R agonist, promoting therapeutic angiogenesis and improving hypertension without adverse effects in the vasculature. Ginsenoside Rg5 blocks cell cycle of SK-HEP-1 cells at the G1/S transition phase by down-regulating cyclin E-dependent kinase activity and that the down-regulation of cyclin E-dependent kinase activity is caused mainly by induced CDK2 inhibitor, p21Cip/WAF1 and decreased levels of cyclin E.

Pathway : Others

Target : Other Targets

Receptor : IGF-1R

Solubility : —

SMILES : CC(=CCC=C(C)C1CCC2(C1C(CC3C2(CCC4C3(CCC(C4(C)C)OC5C(C(C(C(O5)CO)O)O)OC6C(C(C(C(O6)CO)O)O)O)C)C)O)C)C

Storage : (-20°C)

Stability : ≥ 2 years

Reference :