

PRODUCT DATASHEET

For Research Use Only

DESCRIPTION:

Apigenin 7-glucoside is a flavonoid with anti-inflammatory, antioxidant, anticancer, anti-adipogenic and anxiolytic activities. It has been shown to inhibit LPS-induced nitric oxide production in RAW 264.7 cells or have hepatoprotective activity due to its antioxidant activities, acting as scavengers of ROS. Apigenin 7-glucoside has been shown to have anti-proliferative activity, possible through cell cycle inhibition and consequently induce apoptosis. It also has the ability to enhance melanogenesis synthesis and tyrosinase activity of B16F10 melanoma cells. Apigenin 7-glucoside has shown neuroprotective effects possibly by inhibiting neuroinflammation and its antioxidant activity. Apigenin-7-O-glucoside inhibits adipogenesis of 3T3-L1 preadipocytes at early stage of adipogenesis at high concentrations, by downregulating PPARGamma and CEBP-alpha.

SPECIFIC AGAINST:

Other

BACKGROUND:

TYP: Chemicals
CATEGORY: Reagents & Chemicals/Biochemicals/Carbohydrates & Derivatives
DETAILED - CATEGORY: Biochemical Compounds

HOW TO HANDLE/USE THE PRODUCT:

STORAGE CONDITIONS: Stable for 2 years after receipt when stored at -20°C.
STORAGE BUFFER: Powder
SHIPPED ON DRY ICE: No

