

Tectorigenin

Catalog No: tcsc0009804



Available Sizes

Size: 5mg

Size: 10mg

Size: 50mg



Specifications

CAS No:

548-77-6

Formula:

$C_{16}H_{12}O_6$

Pathway:

Others

Target:

Others

Purity / Grade:

>98%

Solubility:

DMSO : 150 mg/mL (499.57 mM; Need ultrasonic and warming)

Observed Molecular Weight:

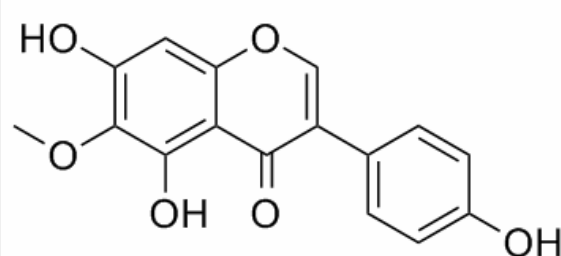
300.26

Product Description

Tectorigenin is a plant isoflavonoid originally isolated from the dried flower of *Pueraria thomsonii* Benth.

In Vitro: Tectorigenin is a plant isoflavonoid originally isolated from the dried flower of *Pueraria thomsonii* Benth. Palmitic acid (PA)-

stimulated ROS production is abolished by treatment with Tectorigenin for HUVECs in a dose-dependent manner (0.1, 1, 10 μ M). Treatment with Tectorigenin attenuates enhanced IKK β phosphorylation and effectively blocks NF- κ B activation by inhibition of p65 phosphorylation at concentrations ranging from 0.1 to 10 μ M. Tectorigenin treatment also effectively inhibits PA-augmented TNF- α and IL-6 production in a concentration dependent manner^[1]. The number of viable HepG2 cells treated by Tectorigenin decreases in a concentration- and time-dependent manner. When HepG2 cells are treated with Tectorigenin at 5, 10 and 20 mg/L for 24 h, the viability rate is 91%, 79% and 62%, respectively^[2].



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!