Web: www.taiclone.com
Tel: +886-2-2735-9682
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Geniposide

Catalog No: tcsc1533

Available Sizes

Size: 50mg

Size: 100mg

Specifications

CAS No:
24512-63-8

Formula:
$C_{17}H_{24}O_{10}$

Pathway:
Neuronal Signaling

Target:
Amyloid-β

Purity / Grade:
>98%

Solubility:
DMSO : ≥ 32 mg/mL (82.40 mM)

Observed Molecular Weight:
388.37

Product Description

Geniposide is an iridoid glucoside extracted from *Gardenia jasminoides Ellis* fruits; exhibits a varity of biological activities such as anti-diabetic, antioxidative, antiproliferative and neuroprotective activities.

In Vitro: Geniposide exhibits a variety of activities, such as on antithrombosis, anti-inflammation, anti-diabetes, anti-atherosclerosis,

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antidepression, healing Alzheimer's disease (AD), anti-hypertension, toxicology, and untoward reaction are summarized[1]. Geniposide markedly declines the production of IL-8, IL-1β and MCP-1 in OGD-induced brain microvascular endothelial cells, the expression of P2Y14 receptor is significantly down-regulated, the phosphorylation of RAF-1, MEK1/2, ERK1/2 are suppressed[2].

In Vivo: Geniposide (200 and 400 mg/kg) significantly decreases the blood glucose, insulin and TG levels in diabetic mice in a dose-dependent manner. This compound also decreases the expression of GP and G6Pase at mRNA and immunoreactive protein levels, as well as enzyme activity[3]. Geniposide (20.0, 40.0, or 80 mg/kg) significantly reverses the excessive, alcohol-induced elevation in both serum ALT/AST and hepatic LPO levels. Geniposide upregulates the expression of heme oxygenase-1 (HO-1) to attenuate the cell apoptosis induced by 3-morpholinosydnonimine hydrochloride (SIN-1) in primary cultured hippocampal neurons[4]. Geniposide inhibits photochemistry-induced thromboembolism model *in vivo*. Geniposide are very effective depressants on NF-κB by interrupting IκB degradation[1].