

## Geniposide

Catalog No: tcsc1533

Available Sizes

Size: 50mg

Size: 100mg

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**Specifications** 

CAS No:

24512-63-8

## Formula:

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

Pathway: Neuronal Signaling

**Target:** 

Amyloid-β

Purity / Grade:

>98%

## **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.

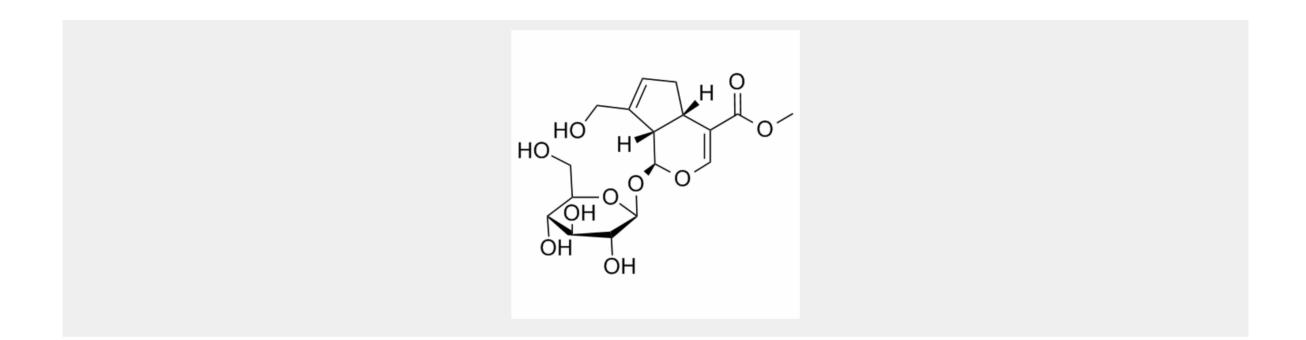
In Vitro: Geniposide exhibits a variety of activities, such as on antithrombosis, anti-inflammation, anti-diabetes, anti-atherosclerosis,

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antidepression, healing Alzheimer's disease (AD), anti-hypertension, toxicology, and untoward reaction are summarized<sup>[1]</sup>. Geniposide markedly declines the production of IL-8, IL-1 $\beta$  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<sup>[2]</sup>.

*In Vivo:* Geniposide (200 and 400 mg/kg) significantly decreases the blood glucose, insulin and TG levels in diabetic mice in a dosedependent manner. This compound also decreases the expression of GP and G6Pase at mRNA and immunoreactive protein levels, as well as enzyme activity<sup>[3]</sup>. 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<sup>[4]</sup>. Geniposide inhibits photochemistry-induced thromboembolism model *in vivo*. Geniposide are very effective depressants on NF-κB by interrupting IκB degradation<sup>[1]</sup>.



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