Geniposide

**Product ID** G1650

**CAS No.** 24512-63-8

**Chemical Name**

**Synonym**

**Formula** C₁₇H₂₄O₁₀

**Formula Wt.** 388.37

**Melting Point** 163-164°C

**Purity** ≥98%

**Solubility** Soluble in water, methanol and ethanol. 24512-63-8

**Store Temp** Ambient

**Ship Temp** Ambient

**Description** Geniposide is an iridoid glycoside found in species of *Gardenia* that exhibits antioxidative, anti-diabetic, anti-inflammatory, neuroprotective, antiviral, and antithrombotic activities. Geniposide induces phase II enzymes and increases expression of glutathione and glutathione peroxidase. Geniposide also inhibits phosphorylation of GSK-3β and stimulates expression of GLUT2, increasing insulin secretion in β cells. In LPS-stimulated epithelial cells, geniposide decreases production of toll-like receptor 4 (TLR4), IL-1β, IL-6, and TNF-α and downregulates activation of p38 MAPK, ERK, and NF-κB. In diabetic animal models of Alzheimer’s disease, geniposide decreases hippocampal levels of amyloid-β (Aβ). This compound also decreases enterovirus yields, infectious activity, and ribosomal entry by inhibiting viral protein translation. In vitro, geniposide inhibits collagen-induced platelet aggregation and activity of phospholipase A2 (PLA2).

**References**


**Caution:** This product is intended for laboratory and research use only. It is not for human or drug use.