

Product Data Sheet

Product Name: Ligustroside

Cat. No.: GC63973

Chemical Properties

Cas. No. 35897-92-8

Formula C₂₅H₃₂O₁₂

M.Wt 524.51

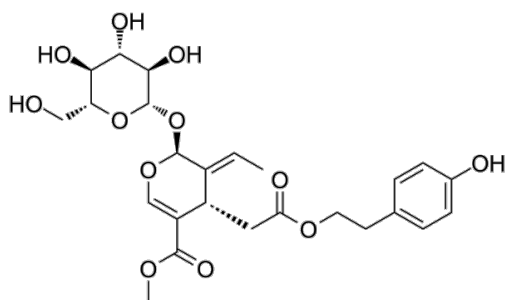
Solubility

Storage Store at -20°C, protect from light

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure



Background

Ligustroside (Ligustroside), a secoiridoid derivative, has outstanding performance on mitochondrial bioenergetics in models of early Alzheimer's disease (AD) and brain ageing by mechanisms that may not interfere with Aβ production. Ligustroside significantly inhibits nitric oxide production in lipopolysaccharide-activated RAW264.7 macrophages[1][2].

Ligustroside increases mRNA expression of SIRT1, CREB1, complex I, and GPx1 in SH-SY5Y-APP695 cells[1].

Ligustroside (50 mg/kg; a supplemented diet for 6 months) protects against mitochondrial dysfunction

Caution: Product has not been fully validated for medical applications. For research use only.

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in models of early Alzheimer's disease and brain ageing[1].

[1]. Grewal R, et al. Purified oleocanthal and ligstroside protect against mitochondrial dysfunction in models of early Alzheimer's disease and brain ageing. *Exp Neurol*. 2020;328:113248. [2]. Liu J, et al. Chemical structures of constituents from the flowers of *Osmanthus fragrans* var. *aurantiacus*. *J Nat Med*. 2015;69(1):135-141.

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