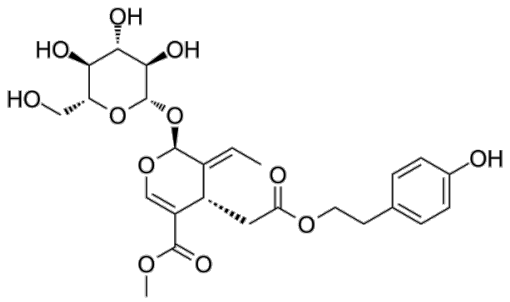
Product Data Sheet

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 (Ligstroside), 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].

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

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

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.