

## Oleuroside

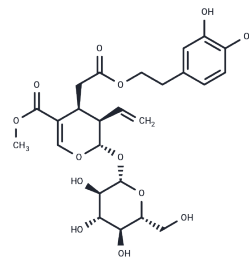
## Chemical Properties

CAS No. : 116383-31-4

Formula: C<sub>25</sub>H<sub>32</sub>O<sub>13</sub>

Molecular Weight: 540.51

Storage: Keep away from direct sunlight  
 Powder: -20°C for 3 years | In solvent: -80°C for 1 year  
 Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Oleuroside is a phenolic compound found in olives, which improves mitochondrial dysfunction and exerts protective effects in early Alzheimer's disease and brain aging models.
Targets(IC50)	Others
In vitro	Methods: SY5Y-APP695 cells were treated with oleuroside. Results: Oleuroside significantly increased the intracellular basal ATP level [1].

## Solubility Information

Solubility	DMSO: 40 mg/mL (74 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8501 mL	9.2505 mL	18.501 mL
5 mM	0.370 mL	1.8501 mL	3.7002 mL
10 mM	0.185 mL	0.9251 mL	1.8501 mL
50 mM	0.037 mL	0.185 mL	0.370 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

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 Feb 18:113248.

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