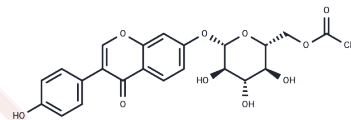


## 6"-O-Acetyldaidzin

## Chemical Properties

CAS No. :	71385-83-6
Formula:	C <sub>23</sub> H <sub>22</sub> O <sub>10</sub>
Molecular Weight:	458.42
Storage:	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	6''-O-Acetyldaidzin is an isoflavone glycoside isolated from soybeans. 6''-O-Acetyldaidzin significantly inhibits lipid peroxidation in rat liver microsome systems (IC <sub>50</sub> : 8.2 μM). 6''-O-Acetyldaidzin is used in oxidative stress and lipid peroxidation research models to investigate antioxidant-related biochemical pathways and membrane lipid oxidation processes in hepatic microsomal systems.
Targets(IC <sub>50</sub> )	Lipid
In vitro	Methods: The inhibitory activity of 6''-O-Acetyldaidzin against lipid peroxidation in rat liver microsomes was determined. Results: 6''-O-Acetyldaidzin could inhibit lipid peroxidation in rat liver microsomes, with an IC <sub>50</sub> of 8.2 μM [2].

## Solubility Information

Solubility	DMSO: 3.3 mg/mL (7.2 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	2.1814 mL	10.907 mL	21.8141 mL
5 mM	0.4363 mL	2.1814 mL	4.3628 mL
10 mM	0.2181 mL	1.0907 mL	2.1814 mL
50 mM	0.0436 mL	0.2181 mL	0.4363 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

Shigemitsu KUDOU, et al. Shigemitsu KUDOU, et al. Malonyl Isoflavone Glycosides in Soybean Seeds (*Glycine max* MERRILL). *Agric. Biol. Chem.*, 1991;55 (9), 2227-2233.

Lee SJ, et al. An antioxidant lignan and other constituents from the root bark of *Hibiscus syriacus*. *Planta Med.* 1999 Oct;65(7):658-60.

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