

## Eriodictyol-7-O-glucoside

## Chemical Properties

CAS No. : 38965-51-4

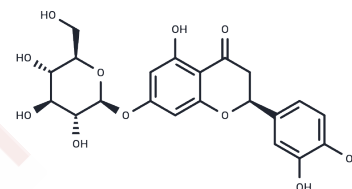
Formula: C<sub>21</sub>H<sub>22</sub>O<sub>11</sub>

Molecular Weight: 450.39

Keep away from direct sunlight

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	Eriodictyol-7-O-glucoside is an Nrf2 activator conferring protection against Cisplatin-induced toxicity. Eriodictyol-7-O-glucoside is a flavonoid and a free radical scavenger with antioxidant activity in pistachio skin.
Targets(IC50)	Nrf2
In vitro	Eriodictyol-7-O-glucoside was able to stabilize Nrf2 by delaying Nrf2 degradation, resulting in the accumulation of Nrf2 protein and activation of the Nrf2-dependent protective response. Cotreatment of HRMC cells with Eriodictyol-7-O-glucoside significantly improved cell survival under cisplatin exposure[1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2203 mL	11.1015 mL	22.203 mL
5 mM	0.4441 mL	2.2203 mL	4.4406 mL
10 mM	0.222 mL	1.1101 mL	2.2203 mL
50 mM	0.0444 mL	0.222 mL	0.4441 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

Hu Q, et al. Eriodictyol-7-O-glucoside, a novel Nrf2 activator, confers protection against cisplatin-induced toxicity. Food Chem Toxicol. 2012 Jun;50(6):1927-32.

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