

## Nicotiflorin

### Chemical Properties

CAS No. : 17650-84-9

Formula: C<sub>27</sub>H<sub>30</sub>O<sub>15</sub>

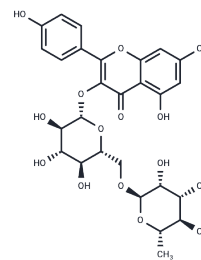
Molecular Weight: 594.52

Storage:

Keep away from direct sunlight, Keep away from moisture, Store at low temperature

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	1. Nicotiflorin (Kaempferol-3-O-Rutinoside) has potential therapeutic effects on cerebral ischemic illness. 2. Nicotiflorin has protective effects on reducing memory dysfunction, energy metabolism failure and oxidative stress in multi-infarct dementia model rats.
Targets(IC50)	Others

### Solubility Information

Solubility	Ethanol: Soluble, Pyridine, Methanol, etc.: Soluble, DMSO: 260 mg/mL (437.33 mM), ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
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### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.682 mL	8.4101 mL	16.8203 mL
5 mM	0.3364 mL	1.682 mL	3.3641 mL
10 mM	0.1682 mL	0.841 mL	1.682 mL
50 mM	0.0336 mL	0.1682 mL	0.3364 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

Kroner A , Marnet N , Andrivon D , et al. Nicotiflorin, rutin and chlorogenic acid: phenylpropanoids involved differently in quantitative resistance of potato tubers to biotrophic and necrotrophic pathogens[J]. Plant Physiology and Biochemistry, 2012, 57(none).

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