

Salviaflaside

Chemical Properties

CAS No. : 178895-25-5

Formula: C₂₄H₂₆O₁₃

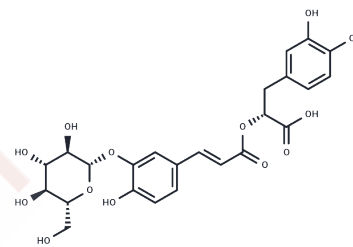
Molecular Weight: 522.46

Storage:

Keep away from direct sunlight, Keep away from moisture

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	Salviaflaside is the main bioactive component of <i>Prunella vulgaris</i> and has antioxidant activity.
Targets(IC ₅₀)	Antioxidant
In vitro	Salviaflaside shows AR inhibitory activity with an IC ₅₀ of 2.81 μM[2].

Solubility Information

Solubility	DMSO: 145 mg/mL (277.53 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.914 mL	9.5701 mL	19.1402 mL
5 mM	0.3828 mL	1.914 mL	3.828 mL
10 mM	0.1914 mL	0.957 mL	1.914 mL
50 mM	0.0383 mL	0.1914 mL	0.3828 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

Chen Y, et al. Effects of UV-B Radiation on the Content of Bioactive Components and the Antioxidant Activity of *Prunella vulgaris* L. Spica during Development. *Molecules*. 2018 Apr 24;23(5).

Kasimu R, et al. Comparative study of seventeen *Salvia* plants: aldose reductase inhibitory activity of water and MeOH extracts and liquid chromatography-mass spectrometry (LC-MS) analysis of water extracts. *Chem Pharm Bull (Tokyo)*. 1998 Mar;46(3):500-4.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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