

(+)-Lyoniresinol 9'-O-glucoside

Chemical Properties

CAS No. : 87585-32-8

Formula: C₂₈H₃₈O₁₃

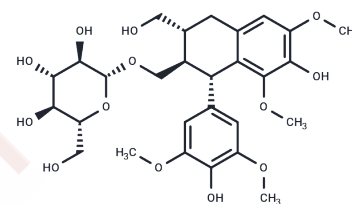
Molecular Weight: 582.59

Keep away from direct sunlight, Keep away from moisture

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	(+)-Lyoniresinol 9'-O-glucoside ((+)-Lyoniresinol 3 α -O- β -D-glucopyranoside) is a compound obtained from the root bark of <i>Lycium barbarum</i> , which possesses antimicrobial and antioxidant activity and superoxide dismutase-like activity, and can be used for the study of Gram-positive bacterial infections.
Targets(IC50)	Antioxidant, Antibacterial
In vitro	METHODS: Different concentrations of (+)-Lyoniresinol 9'-O-glucoside (0 μ M, 5 μ M, 10 μ M, 20 μ M and 40 μ M) were studied on HUVECs RESULTS: (+)-Lyoniresinol 9'-O-glucoside had a significant proliferation effect on HUVECs, with a maximum effect concentration of 10 μ M. [1]

Solubility Information

Solubility	DMSO: 100 mg/mL (171.65 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	1.7165 mL	8.5824 mL	17.1647 mL
5 mM	0.3433 mL	1.7165 mL	3.4329 mL
10 mM	0.1716 mL	0.8582 mL	1.7165 mL
50 mM	0.0343 mL	0.1716 mL	0.3433 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

Shi X, et al. Chemical Constituents from Albiziae Cortex and Their Ability to Ameliorate Steatosis and Promote Proliferation and Anti-Oxidation In Vitro. *Molecules*. 2019 Nov 7;24(22):4041.

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