

Sissotrin

Chemical Properties

CAS No. : 5928-26-7

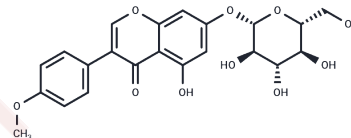
Formula: C₂₂H₂₂O₁₀

Molecular Weight: 446.4

Store at low temperature

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	Sissotrin is a natural product extracted from <i>Pterospartum tridentatum</i> with antimicrobial and antioxidant activities.
Targets(IC50)	Antioxidant, Antibacterial
In vivo	In normal Wistar rats, Sissotrin (100 mg/kg) impairs glucose tolerance[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2401 mL	11.2007 mL	22.4014 mL
5 mM	0.448 mL	2.2401 mL	4.4803 mL
10 mM	0.224 mL	1.1201 mL	2.2401 mL
50 mM	0.0448 mL	0.224 mL	0.448 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

Paulo A, et al. The opposing effects of the flavonoids isoquercitrin and sissotrin, isolated from *Pterospartum tridentatum*, on oral glucose tolerance in rats. *Phytother Res.* 2008 Apr;22(4):539-43.

Tsamo DLF, et al. Antimicrobial and Antioxidant Secondary Metabolites from *Trifolium baccarinii* Chiov. (Fabaceae) and Their Mechanisms of Antibacterial Action. *Biomed Res Int.* 2021 Oct 22;2021:3099428.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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