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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Oleoside 11-methyl ester

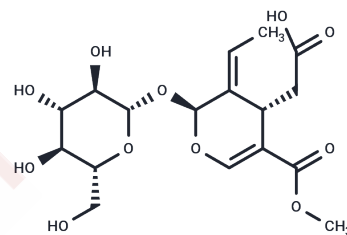
Chemical Properties

CAS No. : 60539-23-3

Formula: C₁₇H₂₄O₁₁

Molecular Weight: 404.37

Appearance: no data available

Storage: store at low temperature, keep away from moisture
Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

Description	Oleoside 11-methyl ester (Methyloleoside) is a natural product.
Targets(IC ₅₀)	Others
In vitro	METHODS AND RESULTS: Aqueous methanol extracts of Chemlali olive stones were analyzed by reverse phase high-performance liquid chromatography (HPLC) with diode array detection and mass spectrometry [LC-MS/MS]. Oleoside, oleoside 11-methyl ester, nuezhenide, oleoside 11-Methyloleoside, nuezhenide 11-Methyloleoside, oleuropein, and glycosides of tryosol and hydroxytyrosol glycosides were identified in stones of Chemali olives. The antioxidant activity observed for the extract of the olive stones (IC₅₀ = 13.84 µg/mL, TEAC = 0.436 mM) may be due to the high content of phenolic compounds, of which the main compounds are nuezhenide (325.78 mg/100g), methoxy derivative of nuezhenide (132.46 mg/100g), and nuezhenide-11-Methyloleoside (82.91 mg/100g). CONCLUSIONS: These results suggest the use of olive stones as sources of natural antioxidants.

Solubility Information

Solubility	DMSO: 60 mg/ml (148.38 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.473 mL	12.3649 mL	24.7298 mL
5 mM	0.4946 mL	2.473 mL	4.946 mL
10 mM	0.2473 mL	1.2365 mL	2.473 mL
50 mM	0.0495 mL	0.2473 mL	0.4946 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.

Reference

Phenolic profile characterization of Chemlali olive stones by liquid chromatography-ion trap mass spectrometry. J Agric Food Chem. 2015 Feb 25;63(7):1990-5.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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