

Reptoside

Chemical Properties

CAS No. : 53839-03-5

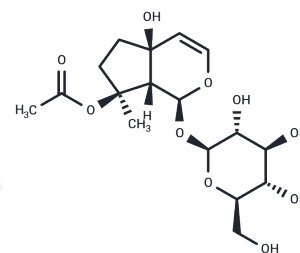
Formula: C₁₇H₂₆O₁₀

Molecular Weight: 390.38

Keep away from direct sunlight

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	Reptoside, which can be extracted from the roots and above-ground parts of Cortex Eucommiae and Ajuga chamaepitys (L.) Schreb, is one of the active cyclic enol ether terpene glycosides of Cortex Eucommiae for the treatment of osteoporosis.
Targets(IC50)	Others,Akt
In vitro	Reptoside has been isolated as a DNA-damaging active agent of the methanol extract of Ajuga postii has a DNA damaging activity but it has no cytotoxic activity.[1]

Solubility Information

Solubility	DMSO: 50 mg/mL (128.08 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	2.5616 mL	12.808 mL	25.6161 mL
5 mM	0.5123 mL	2.5616 mL	5.1232 mL
10 mM	0.2562 mL	1.2808 mL	2.5616 mL
50 mM	0.0512 mL	0.2562 mL	0.5123 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

Gören AC, et al. DNA damaging activities of methanol extract of *Ajuga reptans* and iridoid glucoside repositin. Nat Prod Res. 2005;19(5):457-460.

Singh N, et al. A new phthalic acid ester from *Ajuga reptans*. Nat Prod Res. 2006;20(6):593-597.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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