

Licoricesaponin H2

Chemical Properties

CAS No.:	118441-85-3
Formula:	C42H62O16
Molecular Weight:	822.92
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	Licoricesaponin H2 is a natural product
Targets(IC ₅₀)	others: None
In vitro	Eight purified components from Glycyrrhiza, namely glabridin, glycyrrhetic acid, glycyrrhizin, licochalcone A, Licoricesaponin H2, licoricesaponin G2, liquiritigenin and liquiritin were evaluated for their antimutagenicity against MNU in the Ames assay with <i>S. typhimurium</i> TA1535. Glycyrrhetic acid, glycyrrhizin, licoricesaponin G2, Licoricesaponin H2 and liquiritin did not show the antimutagenicity against MNU in <i>S. typhimurium</i> TA1535. Glabridin, licochalcone A and liquiritigenin reduced revertant colonies derived from MNU in <i>S. typhimurium</i> TA1535 without showing cytotoxic effects, indicating that these compounds possess antimutagenic activity against MNU. The inhibitory activity of glabridin and licochalcone A was more effective than that of liquiritigenin.

Solubility Information

Solubility	DMSO: 10 mM (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.215 mL	6.076 mL	12.152 mL
5 mM	0.243 mL	1.215 mL	2.43 mL
10 mM	0.122 mL	0.608 mL	1.215 mL
50 mM	0.024 mL	0.122 mL	0.243 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Antimutagenic components in Glycyrrhiza against N-methyl-N-nitrosourea in the Ames assay. *Nat Prod Res.* 2017 Mar;31(6):691-695.

Inhibitors · Natural Compounds · Compound Libraries

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