

## Product Information

### (18 $\beta$ ,20 $\alpha$ )-Glycyrrhizic acid

**Cat. No.:** X23-04-YM262

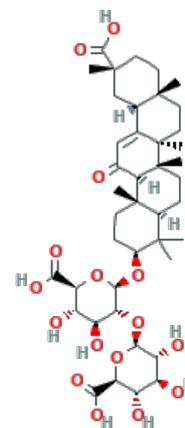
**Size:** 5 mg; 10 mg; 20 mg

**CAS Number:** 118441-85-3

**Compound CID:** 12889143

**Synonym:** Licorice saponin H2

**This product is for research use only and is not intended for diagnostic use.**



#### Product Information

<b>Description</b>	(18 $\beta$ ,20 $\alpha$ )-Glycyrrhizic acid is a saponin that displays significant inhibitory effects on the synthesis of melanin.
<b>Molecular Weight</b>	822.942
<b>Molecular Formula</b>	C <sub>42</sub> H <sub>62</sub> O <sub>16</sub>
<b>IUPAC Name</b>	(2S,3S,4S,5R,6R)-6-[(2R,3R,4S,5S,6S)-2-[[[(3S,4aR,6aR,6bS,8aS,11R,12aR,14aR,14bS)-11-Carboxy-4,4,6a,6b,8a,11,14b-heptamethyl-14-oxo-2,3,4a,5,6,7,8,9,10,12,12a,14a-dodecahydro-1H-picen-3-yl]oxy]-6-carboxy-4,5-dihydroxyoxan-3-yl]oxy]-3,4,5-trihydroxyoxane-2-carboxylic acid
<b>InChI</b>	InChI=1S/C42H62O16/c1-37(2)21-8-11-42(7)31(20(43)16-18-19-17-39(4,36(53)54)13-12-38(19,3)14-15-41(18,42)6)40(21,5)10-9-22(37)55-35-30(26(47)25(46)29(57-35)33(51)52)58-34-27(48)23(44)24(45)28(56-34)32(49)50/h16,19,21-31,34-35,44-48H,8-15,17H2,1-7H3,(H,49,50)(H,51,52)(H,53,54)/t19-,21-,22-,23-,24-,25-,26-,27+,28-,29-,30+,31+,34-,35+,38+,39+,40-,41+,42+/m/s1
<b>InChI Key</b>	LPLVUJXQOOQHMX-ZKXOMTPPSA-N
<b>Canonical SMILES</b>	CC1(C2CCC3(C(C2(CCC1OC4C(C(C(C(O4)C(=O)O)O)OC5C(C(C(C(O5)C(=O)O)O)O)C(=O)C=C6C3(CCC7(C6CC(CC7)(C)C(=O)O)C)C)C
<b>Isomeric SMILES</b>	C[C@]12CC[C@@](C[C@H]1C3=CC(=O)[C@@H]4[C@]5(CC[C@@H](C([C@@H]5CC[C@]4([C@@]3(CC2)C)C)(C)C)O[C@H]6[C@@H]([C@H]([C@@H]([C@H](O6)C(=O)O)O)O)[C@H]7[C@@H]([C@H]([C@@H]([C@H](O7)C(=O)O)O)O)C)(C)C(=O)O
<b>Source</b>	Licorice
<b>Form</b>	Powder
<b>Purity</b>	>98%, determined by HPLC.



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<b>Identity</b>	Confirmed by NMR and MS.
<b>Stability</b>	The product is stable for two years when stored at the recommended temperature.
<b>Applications</b>	(18 $\beta$ ,20 $\alpha$ )-Glycyrrhizic acid is useful for its anti-inflammatory effects.
<b>Storage</b>	Store at 4°C. Protect from light.

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### Safety Information

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<b>Personal Protective Equipment</b>	Gloves, eyeshields, N95 mask
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