



CAS Registry Number: 199796-12-8

Molecular Formula: C₂₆H₃₀O₁₃

Molecular Weight: 550.515

Accurate Mass: 550.168645

Percentage Composition: C 56.73%; H 5.49%; O 37.78%

Biological Source: Constit. of *Glycyrrhiza inflata*

>>**Derivative:** 7-*O*-(3-*O*-Acetyl-β-D-apiofuranoside), 4'-*O*-β-D-glucopyranoside

CAS Registry Number: 199796-13-9

Molecular Formula: C₂₈H₃₂O₁₄

Molecular Weight: 592.552

Accurate Mass: 592.17921

Percentage Composition: C 56.76%; H 5.44%; O 37.80%

Biological Source: Constit. of *Glycyrrhiza inflata*

>>**Derivative:** 4'-*O*-β-D-Glucopyranoside

Synonym(s): Liquiritin. Liquiritoside

CAS Registry Number: 551-15-5

Molecular Formula: C₂₁H₂₂O₉

Molecular Weight: 418.399

Accurate Mass: 418.126385

Percentage Composition: C 60.28%; H 5.30%; O 34.42%

Biological Source: Isol. from *Glycyrrhiza glabra* and *Glycyrrhiza uralensis*

Biological Use/Importance: Antiinflammatory agent

Physical Description: Cryst. + 1H₂O (EtOH aq.)

Melting Point: Mp 212°

Calculated Log P Data: Log P -0.47 (uncertain value) (calc)

>>**Derivative:** 4'-*O*-(6-*O*-Acetyl-β-D-glucopyranoside)

Synonym(s): 6''-Acetylliquiritin

CAS Registry Number: 166531-17-5

Molecular Formula: C₂₃H₂₄O₁₀

Molecular Weight: 460.437

Accurate Mass: 460.13695

Percentage Composition: C 60.00%; H 5.25%; O 34.75%

Biological Source: Constit. of *Glycyrrhiza uralensis* (Leguminosae)

>>**Derivative:** 7-*O*-β-D-Glucopyranoside

Synonym(s): Neoliquiritin

CAS Registry Number: 5088-75-5

Molecular Formula: C₂₁H₂₂O₉

Molecular Weight: 418.399

Accurate Mass: 418.126385

Percentage Composition: C 60.28%; H 5.30%; O 34.42%

Biological Source: Isol. from *Dahlia* spp. and *Glycyrrhiza uralensis*

Biological Use/Importance: Antiinflammatory agent

Melting Point: Mp 164-166°

Optical Rotation: [α]_D¹⁸-60.2 (AcOH aq.)

Calculated Log P Data: Log P -0.75 (uncertain value) (calc)