>>**Derivative:** 4'-*O*-[β-D-Apiofuranosyl-(1→2)-β-D-glucopyranoside]
Synonym(s): Licuroside. Licurazid. Liquiraside

CAS Registry Number: 29913-71-1

Molecular Formula: $C_{26}H_{30}O_{13}$
Molecular Weight: 550.515
Accurate Mass: 550.168645
Percentage Composition: C 56.73%; H 5.49%; O 37.78%
Biological Source: Isol. from *Glycine glabra* and *Glycine uralensis*
Use/Importance: Possesses spasmolytic props.
Melting Point: Mp 150-151°
Optical Rotation: $[\alpha]_D$ –125
Calculated Log P Data: Log P –1.9 (uncertain value) (calc)

>>**Derivative:** 4-*O*-[β-D-Apiofuranosyl-(1→2)-β-D-glucopyranoside], 4'-*O*-β-D-glucopyranoside
Synonym(s): Glucoisoliquiritin apioside

Molecular Formula: $C_{32}H_{40}O_{18}$
Molecular Weight: 712.657
Accurate Mass: 712.22147
Percentage Composition: C 53.93%; H 5.66%; O 40.41%
Biological Source: Constit. of *Glycyrrhiza aspera*
Physical Description: Powder
Optical Rotation: $[\alpha]_D^{23}$ –86.2 (c, 0.2 in MeOH)
UV: [neutral] λ_{max} 360 (ε 1800) (MeOH)

>>**Derivative:** 4-*O*-[4-Hydroxycinnamoyl-(→5)-β-D-apiofuranosyl-(1→2)-β-D-glucopyranoside]
Synonym(s): Licorice glycoside B

Molecular Formula: $C_{35}H_{36}O_{15}$
Molecular Weight: 696.66
Accurate Mass: 696.205425
Percentage Composition: C 60.34%; H 5.21%; O 34.45%
Biological Source: Constit. of *Glycyrrhiza uralensis*
Physical Description: Amorph. yellow powder
Optical Rotation: $[\alpha]_D$ –39.8 (c, 1 in MeOH)
UV: [neutral] λ_{max} 206 (log ε 4.61); 228 (log ε 4.42); 318 (log ε 4.59); 359 (log ε 4.45) (MeOH)

>>**Derivative:** 4-*O*-[4-Hydroxy-3-methoxycinnamoyl-(→5)-β-D-apiofuranosyl-(1→2)-β-D-glucopyranoside]
Synonym(s): Licorice glycoside A

Molecular Formula: $C_{36}H_{38}O_{16}$
Molecular Weight: 726.687
Accurate Mass: 726.21599
Percentage Composition: C 59.50%; H 5.27%; O 35.23%
Biological Source: Constit. of *Glycyrrhiza uralensis*
Physical Description: Amorph. yellow powder + $2H_2O$
Optical Rotation: $[\alpha]_D$ –27.4 (c, 1 in MeOH)
UV: [neutral] λ_{max} 205 (log ε 4.59); 219 (sh) (log ε 4.45); 234 (log ε 4.37); 315 (sh) (log ε 4.4); 330 (log ε 4.56); 368 (sh) (log ε 4.4) (MeOH)

>>**Derivative:** 2'-Me ether
Synonym(s): 3-(4-Hydroxyphenyl)-1-(4-hydroxy-2-methoxyphenyl)-2-propen-1-one. **4,4'-Dihydroxy-2'-methoxychalcone**

CAS Registry Number: 51828-10-5

Molecular Formula: $C_{16}H_{14}O_4$
Molecular Weight: 270.284
Accurate Mass: 270.08921
Percentage Composition: C 71.10%; H 5.22%; O 23.68%
Biological Source: Stress metab. of *Pisum sativum*, also isol. from *Caesalpinia japonica*
Physical Description: Orange cryst. (EtOH aq.)
Melting Point: Mp 210-212°