



Molecular Weight: 284.268
Accurate Mass: 284.068475
Percentage Composition: C 67.60%; H 4.25%; O 28.14%
Biological Source: Isol. from *Centrosema haitense*, *Centrosema pubescens*, *Glycine max* and *Mildbraeodiodendron excelsa*
Physical Description: Cryst. (MeOH)
Melting Point: Mp 337-339° (311-313°)

>>**Derivative:** 6-Me ether, 7-*O*-β-D-glucopyranoside
Synonym(s): Glycitin

CAS Registry Number: 40246-10-4

Molecular Formula: C₂₂H₂₂O₁₀
Molecular Weight: 446.41
Accurate Mass: 446.1213
Percentage Composition: C 59.19%; H 4.97%; O 35.84%
Biological Source: Isol. from *Glycine max*
Physical Description: Cryst. (EtOH)
Melting Point: Mp 192-195°
Optical Rotation: [α]_D²⁰ -13.4 (c, 3.65 in DMF)

>>**Derivative:** 6-Me ether, 7-*O*-(6-*O*-acetyl-β-D-glucopyranoside)

CAS Registry Number: 134859-96-4

Molecular Formula: C₂₄H₂₄O₁₁
Molecular Weight: 488.447
Accurate Mass: 488.131865
Percentage Composition: C 59.02%; H 4.95%; O 36.03%
Biological Source: Isol. from *Glycine max*
Physical Description: Needles (MeOH aq.)
Melting Point: Mp 155-157°

>>**Derivative:** 6-Me ether, 7-*O*-(2,4,6-tri-*O*-acetyl-β-D-glucopyranoside)

Molecular Formula: C₂₈H₂₈O₁₃
Molecular Weight: 572.521
Accurate Mass: 572.152995
Percentage Composition: C 58.74%; H 4.93%; O 36.33%
Biological Source: Constit. of soybean molasses (*Glycine* sp.)
Physical Description: Amorph. yellow powder
Optical Rotation: [α]_D²⁵ -23.8 (c, 0.5 in MeOH)
UV: [neutral] λ_{max} 227 (log ε 3.9); 275 (log ε 4.15) (MeOH)

>>**Derivative:** 6-Me ether, 7-*O*-[β-D-xylopyranosyl-(1→6)-β-D-glucopyranoside]

Molecular Formula: C₂₇H₃₀O₁₄
Molecular Weight: 578.526
Accurate Mass: 578.16356
Percentage Composition: C 56.06%; H 5.23%; O 38.72%
Biological Source: Constit. of the flowers of *Pueraria thunbergiana*
Physical Description: Needles (MeOH)
Optical Rotation: [α]_D²⁵ -54.3 (c, 0.35 in DMSO)
UV: [neutral] λ_{max} 261 (); 320 () (MeOH)
Other Data: Mp >300°