



Melting Point: Mp 239° (215-216°)
Optical Rotation: $[\alpha]_{\text{D}}^{20} -79$ (c, 0.001 in DMSO)

>>>**Derivative:** 4',6-Di-Me ether, 7-*O*- α -L-rhamnopyranoside
Synonym(s): Irisolidone 7-rhamnoside

CAS Registry Number: 88607-82-3

Molecular Formula: C₂₃H₂₄O₁₀
Molecular Weight: 460.437
Accurate Mass: 460.13695
Percentage Composition: C 60.00%; H 5.25%; O 34.75%
Biological Source: Isol. from heartwood of *Pterocarpus marsupium*
Melting Point: Mp 198°

>>>**Derivative:** 4',6-Di-Me ether, 7-*O*-[β -D-xylopyranosyl-(1→6)- β -D-glucopyranoside]
Synonym(s): Kakkalide

CAS Registry Number: 58274-56-9

Molecular Formula: C₂₈H₃₂O₁₅
Molecular Weight: 608.552
Accurate Mass: 608.174125
Percentage Composition: C 55.26%; H 5.30%; O 39.44%
Biological Source: Isol. from flowers of *Pueraria thunbergiana*
Physical Description: Tetrahydrate
Melting Point: Mp 253°
Optical Rotation: $[\alpha]_{\text{D}}^{24} -31$ (c, 1.0 in Py)

>>>**Derivative:** 4',6-Di-Me ether, 7-*O*-[β -D-apiofuranosyl-(1→2)- β -D-glucopyranoside]
Synonym(s): Pubescidin

CAS Registry Number: 194149-95-6

Molecular Formula: C₂₈H₃₂O₁₅
Molecular Weight: 608.552
Accurate Mass: 608.174125
Percentage Composition: C 55.26%; H 5.30%; O 39.44%
Biological Source: Constit. of *Centrosema pubescens*
Physical Description: Yellow powder (MeOH)
Melting Point: Mp 154-156°
Optical Rotation: $[\alpha]_{\text{D}}^{27} -93$ (c, 0.7 in DMSO)
UV: [neutral] λ_{max} 264 (log ϵ 4.65); 329 (log ϵ 4.02) (MeOH)

>>>**Derivative:** 5,7-Di-Me ether
Synonym(s): 4',6-Dihydroxy-5,7-dimethoxyisoflavone. **Muningin**

CAS Registry Number: 479-83-4

Molecular Formula: C₁₇H₁₄O₆
Molecular Weight: 314.294
Accurate Mass: 314.07904
Percentage Composition: C 64.97%; H 4.49%; O 30.54%
Biological Source: Isol. from *Podocarpus angolensis*, heartwood
Physical Description: Cryst. + ½H₂O (dioxan)
Melting Point: Mp 285 dec.°