



Physical Description: Cryst. (MeOH)

Melting Point: Mp 292-293°

>> **Derivative:** 3',4',5',6-Tetra-Me ether

Synonym(s): 5,7-Dihydroxy-3',4',5',6-tetramethoxyisoflavone. **Junipegenin C**

CAS Registry Number: 78134-86-8

Molecular Formula: C₁₉H₁₈O₈

Molecular Weight: 374.346

Accurate Mass: 374.10017

Percentage Composition: C 60.96%; H 4.85%; O 34.19%

Biological Source: Isol. from leaves of *Juniperus macropoda*

Physical Description: Fine needles (EtOAc)

Melting Point: Mp 233-235°

>> **Derivative:** 6,7-Methylene, 3',4'-di-Me ether

Synonym(s): 3',5-Dihydroxy-4,5-dimethoxy-6,7-methylenedioxyisoflavone. **Dichotomitin**

CAS Registry Number: 88509-91-5

Molecular Formula: C₁₈H₁₄O₈

Molecular Weight: 358.304

Accurate Mass: 358.06887

Percentage Composition: C 60.34%; H 3.94%; O 35.72%

Source/Synthesis: Constit. of *Iris germanica*, *Iris dichotoma* and *Belamcanda chinensis*

Physical Description: Yellow needles (MeOH)

Melting Point: Mp 255-256°

>> **Derivative:** 6,7-Methylene, 3',4',5'-tri-Me ether

Synonym(s): 5-Hydroxy-3',4',5'-trimethoxy-6,7-methylenedioxyisoflavone. **Noririsflorentin**

CAS Registry Number: 41682-44-4

Molecular Formula: C₁₉H₁₆O₈

Molecular Weight: 372.331

Accurate Mass: 372.08452

Percentage Composition: C 61.29%; H 4.33%; O 34.38%

Biological Source: Isol. from the rhizomes of *Belamcandia chinensis*

Physical Description: Needles (MeOH)

Melting Point: Mp 253-255° (239-240°)

>> **Derivative:** 6,7-Methylene, 3',4',5,5'-tetra-Me ether

Synonym(s): 3',4',5,5'-Tetramethoxy-6,7-methylenedioxyisoflavone. **Irisflorentin**

CAS Registry Number: 41743-73-1

Molecular Formula: C₂₀H₁₈O₈

Molecular Weight: 386.357

Accurate Mass: 386.10017

Percentage Composition: C 62.18%; H 4.70%; O 33.13%

Biological Source: Isol. from *Iris florentina*, *Iris germanica* and *Iris tingitana*

Physical Description: Needles (MeOH)

Melting Point: Mp 175°

>> **Derivative:** Poly-Me ether

Synonym(s): Belamcangenin

Physical Description: Pale-yellow needles

Melting Point: Mp 227°

Other Data: MF not detd. Methylation said to give 5-hydroxy-3',4',5',6,7-pentamethoxyisoflavone