



>>Derivative: 5-Me ether, 7-*O*-[xylosyl-(1→?)-galactoside]

CAS Registry Number: 79284-69-8

Molecular Formula: C₂₇H₃₂O₁₅

Molecular Weight: 596.541

Accurate Mass: 596.174125

Percentage Composition: C 54.36%; H 5.41%; O 40.23%

Biological Source: Isol. from *Diplazium esculentum*

Physical Description: Yellow needles (EtOAc/petrol)

Melting Point: Mp 62-64°

>>Derivative: 5-Me ether, 7-*O*-[xylosyl-(1→?)-arabinoside]

CAS Registry Number: 81074-96-6

Molecular Formula: C₂₇H₃₂O₁₅

Molecular Weight: 596.541

Accurate Mass: 596.174125

Percentage Composition: C 54.36%; H 5.41%; O 40.23%

Biological Source: Isol. from *Sapium sebiferum*

Physical Description: Yellow needles (Me₂CO/petrol)

Melting Point: Mp 69°

>>Derivative: 5-Me ether, 7-*O*-[β-D-glucopyranosyl-(1→4)-β-D-galactopyranoside]

CAS Registry Number: 114454-39-6

Molecular Formula: C₂₈H₃₄O₁₆

Molecular Weight: 626.567

Accurate Mass: 626.18469

Percentage Composition: C 53.67%; H 5.47%; O 40.86%

Physical Description: Yellow needles (EtOAc/petrol)

Melting Point: Mp 91-93°

>>Derivative: 7-Me ether

Synonym(s): 3',4',5-Trihydroxy-7-methoxyflavanone. **Sternbin.** 7-*O*-Methyleriodictyol

CAS Registry Number: 51857-11-5

Molecular Formula: C₁₆H₁₄O₆

Molecular Weight: 302.283

Accurate Mass: 302.07904

Percentage Composition: C 63.57%; H 4.67%; O 31.76%

Biological Source: Found in the Compositae: *Artemisia* spp., *Hazardia squarrosa*, *Hemizonia* spp., *Heterotheca grandiflora*, *Wyethia glabra*, *Eupatorium sternbergianum*, *Notholaena fendleri*

Physical Description: Cryst.

Melting Point: Mp 221°

>>Derivative: 3',4'-Di-Me ether

Synonym(s): 5,7-Dihydroxy-3',4'-dimethoxyflavanone. 3'-*O*-Methylhesperitin. **Homoesperitin.** Homoesperitin

CAS Registry Number: 89294-54-2

Molecular Formula: C₁₇H₁₆O₆

Molecular Weight: 316.31

Accurate Mass: 316.09469

Percentage Composition: C 64.55%; H 5.10%; O 30.35%

Biological Source: Constit. of *Baccharis* sp. and *Vernonia diffusa*

Melting Point: Mp 133-137°