



Molecular Weight: 358.347
Accurate Mass: 358.105255
Percentage Composition: C 63.68%; H 5.06%; O 31.25%
Biological Source: Isol. from *Webera corymbosa*
Melting Point: Mp 188-189°

>>>**Derivative:** 3',4',5',7-Tetra-Me ether, 5-*O*-β-D-glucopyranoside
Synonym(s): Lethedoside B

Molecular Formula: C₂₅H₂₈O₁₂
Molecular Weight: 520.489
Accurate Mass: 520.15808
Percentage Composition: C 57.69%; H 5.42%; O 36.89%
Biological Source: Constit. of *Lethedon tannaensis*
Physical Description: Amorph. solid
Optical Rotation: $[\alpha]_D^{20} -33.4$ (c, 0.32 in Py)
UV: [neutral] $\lambda_{\max}$ 207 (log ε 4.6); 237 (log ε 4.4); 265 (log ε 4.1); 323 (log ε 4.2) (MeOH)

>>>**Derivative:** 3',4',5',7-Tetra-Me ether, 5-*O*-[β-D-xylopyranosyl-(1→6)-β-D-glucopyranoside]
Synonym(s): Lethedioside B

Molecular Formula: C₃₀H₃₆O₁₆
Molecular Weight: 652.605
Accurate Mass: 652.20034
Percentage Composition: C 55.21%; H 5.56%; O 39.23%
Biological Source: Constit. of *Lethedon tannaensis*
Physical Description: Amorph. solid
Optical Rotation: $[\alpha]_D^{20} -51.5$ (c, 0.34 in Py)
UV: [neutral] $\lambda_{\max}$ 213 (log ε 4.8); 239 (log ε 4.5); 262 (log ε 4.4); 325 (log ε 4.5) (MeOH)

>>>**Derivative:** Penta-Me ether
Synonym(s): 3',4',5,5',7-Pentamethoxyflavone

CAS Registry Number: 53350-26-8

Molecular Formula: C₂₀H₂₀O₇
Molecular Weight: 372.374
Accurate Mass: 372.120905
Percentage Composition: C 64.51%; H 5.41%; O 30.08%
Biological Source: Isol. from *Merrillia caloxylon*, *Murraya paniculata* and *Bauhinia championii*
Physical Description: Needles (MeOH), prisms (CHCl₃)
Melting Point: Mp 196-197° (193°)

>>>**Derivative:** 3',4'-Methylene, 5,5',7'-tri-Me ether
Synonym(s): 5,5',7-Trimethoxy-3',4'-methylenedioxyflavone

CAS Registry Number: 89029-11-8

Molecular Formula: C₁₉H₁₆O₇
Molecular Weight: 356.331
Accurate Mass: 356.089605
Percentage Composition: C 64.04%; H 4.53%; O 31.43%
Biological Source: Constit. of *Bauhinia championii*
Physical Description: Prisms (MeOH)
Melting Point: Mp 244-246°

References: