



Biological Source: Isol. from the stems of *Bauhinia manca*
Physical Description: Amorph. powder
Optical Rotation: $[\alpha]_D^{21} -19$ (c, 0.4 in MeOH)
Solubility: BERDY SOL: Sol. MeOH, CHCl₃; poorly sol. H₂O
UV: [neutral] $\lambda_{\max}$ 283 (ε 5250) (MeOH) (Berdy) [base] $\lambda_{\max}$ 289 (ε 6000) (MeOH-NAOH) (Berdy)

>>**Derivative:** 3',7-Di-Me ether
Synonym(s): 4'-Hydroxy-3',7-dimethoxyflavan

CAS Registry Number: 116498-59-0

Molecular Formula: C₁₇H₁₈O₄
Molecular Weight: 286.327
Accurate Mass: 286.12051
Percentage Composition: C 71.31%; H 6.34%; O 22.35%
Biological Source: Isol. from the stems of *Bauhinia manca*
Physical Description: Cryst.
Melting Point: Mp 107.5-108.5°
Optical Rotation: $[\alpha]_D^{21} -26$ (c, 0.13 in MeOH)
UV: [neutral] $\lambda_{\max}$ 227 (ε 24000); 281 (ε 13500); 288 (ε 3900) (MeOH) (Berdy) [base] $\lambda_{\max}$ 249 (ε 21900); 285 (ε 13850); 289 (ε 16250) (MeOH-NAOH) (Berdy)

>>**Derivative:** 4'-Me ether
Synonym(s): 3',7-Dihydroxy-4'-methoxyflavan

CAS Registry Number: 162290-05-3

Molecular Formula: C₁₆H₁₆O₄
Molecular Weight: 272.3
Accurate Mass: 272.10486
Percentage Composition: C 70.58%; H 5.92%; O 23.50%
Biological Source: Constit. of *Dracaena cinnabari*
Physical Description: Needles (CHCl₃)
Melting Point: Mp 151-152°
Optical Rotation: $[\alpha]_D^{24} -45.5$ (c, 0.3 in MeOH)

>>**Variant:** (±)-form

Molecular Formula: C₁₅H₁₄O₄
Molecular Weight: 258.273
Accurate Mass: 258.08921
Percentage Composition: C 69.76%; H 5.46%; O 24.78%

>>**Derivative:** 3'-Me ether

CAS Registry Number: 74474-60-5

Biological Source: Isol. from *Iryanthera elliptica*
Physical Description: Cryst.
Melting Point: Mp 157-158° (145-146°)

>>**Derivative:** 3',7-Di-Me ether
Synonym(s): 4'-Hydroxy-3',7-dimethoxyflavan

CAS Registry Number: 113236-00-3

Molecular Formula: C₁₇H₁₈O₄
Molecular Weight: 286.327
Accurate Mass: 286.12051
Percentage Composition: C 71.31%; H 6.34%; O 22.35%
Biological Source: Constit. of *Virola calophylloidea*
Physical Description: Cryst. (Me₂CO)
Melting Point: Mp 104-105°
UV: [neutral] $\lambda_{\max}$ 214 (ε 7900); 231 (ε 6000); 285 (ε 2200) (MeOH) (Berdy)

References: