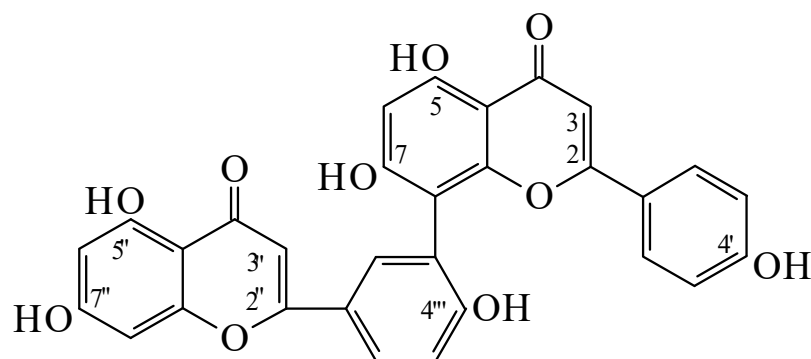




>>Entry Name: Amentoflavone

Synonym(s): 4',4'',5,5'',7,7''-Hexahydroxy-3''',8-biflavone, 8Cl. 4',5,7-Trihydroxyflavone(3'→8)-4',5,7-trihydroxyflavone. 3',8-Bi[4',5,7-trihydroxyflavone]



CAS Registry Number: 1617-53-4

Molecular Formula: C₃₀H₁₈O₁₀

Molecular Weight: 538.466

Accurate Mass: 538.09

Percentage Composition: C 66.92%; H 3.37%; O 29.71%

General Statement: Numbering of the rings in the names of derivs. does not always follow the scheme shown here

Biological Source: Obt. from leaves of *Metasequoia glyptostroboides* and from *Cryptomeria japonica*, *Amentotaxus formosana*, *Viburnum prunifolium*, *Psilotum triquetrum*, *Callitris*, *Cupressus*, *Juniperus* spp. and many others

Use/Importance: Bradykinin antagonist

Physical Description: Yellow cryst. (EtOH)

Melting Point: Mp 300°

Optical Rotation: $[\alpha]_D^{40} +9$

Solubility: BERDY SOL: Sol. MeOH, CHCl₃; poorly sol. H₂O

Calculated Log P Data: Log P 1.7 (calc)

UV: [neutral] $\lambda_{\max}$ 270 (ϵ 41600); 338 (ϵ 38900) (EtOH) (Berdy)

Other Data: Opt. rotn. of derivs. is variable owing to atropisomerism

>>Derivative: Hexa-Ac

CAS Registry Number: 17482-37-0

Physical Description: Cryst. (EtOAc)

Melting Point: Mp 234-235°

>>Derivative: 4',4''-Di-*O*- β -D-glucopyranoside

Synonym(s): Amentoflavone 4',4''-diglucoside

CAS Registry Number: 93078-97-8

Molecular Formula: C₄₂H₃₈O₂₀

Molecular Weight: 862.75

Accurate Mass: 862.19565

Percentage Composition: C 58.47%; H 4.44%; O 37.09%

Biological Source: Isol. from *Psilotum nudum*

>>Derivative: 4',7''-Di-*O*- β -D-glucopyranoside

Synonym(s): Amentoflavone 4'',7-diglucoside

CAS Registry Number: 93078-98-9

Molecular Formula: C₄₂H₃₈O₂₀

Molecular Weight: 862.75

Accurate Mass: 862.19565

Percentage Composition: C 58.47%; H 4.44%; O 37.09%

Biological Source: Isol. from *Psilotum nudum*