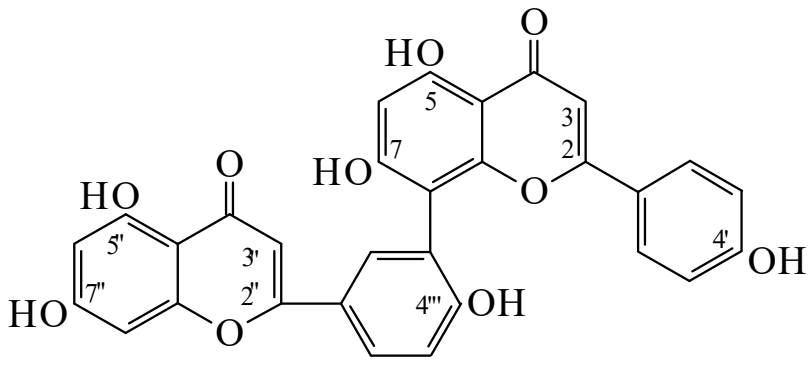
>>**Entry Name: Amentoflavone**

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: $C_{30}H_{18}O_{10}$
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, $CHCl_3$; poorly sol. H_2O
Calculated Log P Data: Log P 1.7 (calc)
UV: [neutral] λ_{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: $C_{42}H_{38}O_{20}$
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: $C_{42}H_{38}O_{20}$
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*

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