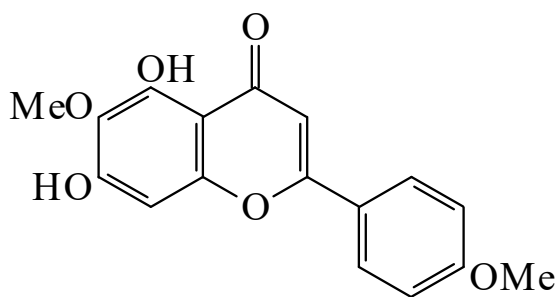




>>Entry Name: 5,7-Dihydroxy-4',6-dimethoxyflavone

Synonym(s): 5,7-Dihydroxy-6-methoxy-2-(4-methoxyphenyl)-4H-1-benzopyran-4-one, 9Cl. **Pectolarigenin**. Hortensin



CAS Registry Number: 520-12-7

Molecular Formula: C₁₇H₁₄O₆

Molecular Weight: 314.294

Accurate Mass: 314.07904

Percentage Composition: C 64.97%; H 4.49%; O 30.54%

Biological Source: Constit. of *Olearia paniculata*, *Eupatorium semiserratum*, *Millingtonia hortensis* and many other plants

Physical Description: Yellow needles (EtOH or Me₂CO aq.)

Melting Point: Mp 218.5° (215-216°)

Other Data: Struct. of Hortensin has been revised twice in 1992 and 1995. Originally thought to be 3,4',6,7-Tetrahydroxyflavone [KRH05-G](#) and then 4',5-Dihydroxy-6,7-dimethoxyflavone [KDD21-U](#)

>>Derivative: 7-O-α-L-Rhamnopyranoside

CAS Registry Number: 34413-70-2

Molecular Formula: C₂₃H₂₄O₁₀

Molecular Weight: 460.437

Accurate Mass: 460.13695

Percentage Composition: C 60.00%; H 5.25%; O 34.75%

Biological Source: Isol. from *Kickxia ramosissima*

>>Derivative: 7-O-β-D-Glucopyranoside

Synonym(s): Linaroside

CAS Registry Number: 53452-12-3

Molecular Formula: C₂₃H₂₄O₁₁

Molecular Weight: 476.436

Accurate Mass: 476.131865

Percentage Composition: C 57.98%; H 5.08%; O 36.94%

Biological Source: Constit. of *Acanthus* sp., *Arnica* sp., *Centaurea* sp., *Linaria* spp. and *Oncidium excavatum*

Physical Description: Light yellow needles (MeOH)

Melting Point: Mp 266-268°

>>Derivative: 7-O-(6-O-Acetyl-β-D-glucopyranoside)

Synonym(s): Lantanoside‡

Molecular Formula: C₂₅H₂₆O₁₂

Molecular Weight: 518.473

Accurate Mass: 518.14243

Percentage Composition: C 57.92%; H 5.05%; O 37.03%

Biological Source: Constit. of *Lantana camara*

Biological Use/Importance: Shows nematocidal activity

Physical Description: Needles (MeOH)

Melting Point: Mp 210-212°

UV: [neutral] λ_{max} 268 (); 318 () (MeOH)