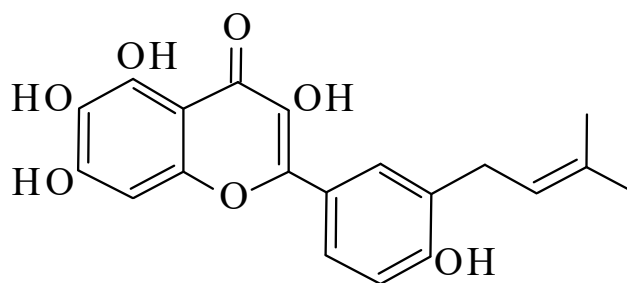




>>Entry Name: 3,4',5,6,7-Pentahydroxy-3'-prenylflavone



Molecular Formula: C₂₀H₁₈O₇

Molecular Weight: 370.358

Accurate Mass: 370.105255

Percentage Composition: C 64.86%; H 4.90%; O 30.24%

>>Derivative: 3,4',6-Tri-Me ether

Synonym(s): 5,7-Dihydroxy-3,4',6-trimethoxy-3'-prenylflavone. **Viscosol**

CAS Registry Number: 105037-80-7

Molecular Formula: C₂₃H₂₄O₇

Molecular Weight: 412.438

Accurate Mass: 412.152205

Percentage Composition: C 66.98%; H 5.87%; O 27.15%

Biological Source: Constit. of *Dodonaea viscosa*

Physical Description: Amorph. solid

>>Derivative: 2'',3''-Dihydro, 4''-hydroxy, 3,6-di-Me ether

Synonym(s): 4',5,7-Trihydroxy-3'-(4-hydroxy-3-methylbutyl)-3,6-dimethoxyflavone. **Aliarin**

CAS Registry Number: 84294-77-9

Molecular Formula: C₂₂H₂₄O₈

Molecular Weight: 416.427

Accurate Mass: 416.14712

Percentage Composition: C 63.45%; H 5.81%; O 30.74%

Biological Source: Isol. from *Dodonaea viscosa*

Physical Description: Yellow needles (CHCl₃/Me₂CO)

Melting Point: Mp 170°

>>Derivative: 2'',3''-Dihydro, 4''-hydroxy, 5,6-di-Me ether

Synonym(s): 3,4',7-Trihydroxy-3'-(4-hydroxy-3-methylbutyl)-5,6-dimethoxyflavone

Molecular Formula: C₂₂H₂₄O₈

Molecular Weight: 416.427

Accurate Mass: 416.14712

Percentage Composition: C 63.45%; H 5.81%; O 30.74%

Biological Source: Constit. of *Duranta repens*

Biological Use/Importance: Thrombin inhibitor

Physical Description: Gummy solid

Optical Rotation: [α]_D²⁵ +110 (c, 0.01 in MeOH)

UV: [neutral] $\lambda_{\max}$ 273 (); 343 () (MeOH)

>>Derivative: 2'',3''-Dihydro, 4''-hydroxy, 3,4',6-tri-Me ether

Synonym(s): 5,7-Dihydroxy-3'-(4-hydroxy-3-methylbutyl)-3,4',6-trimethoxyflavone. **4'-O-Methylaliarin**

CAS Registry Number: 88048-20-8

Molecular Formula: C₂₃H₂₆O₈

Molecular Weight: 430.454

Accurate Mass: 430.16277

Percentage Composition: C 64.18%; H 6.09%; O 29.73%

Biological Source: Constit. of *Dodonaea viscosa*