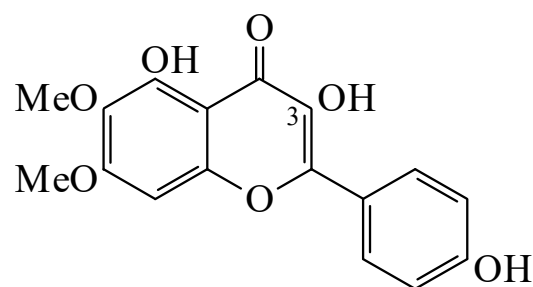




>>Entry Name: 3,4',5-Trihydroxy-6,7-dimethoxyflavone

Synonym(s): 3,5-Dihydroxy-2-(4-hydroxyphenyl)-6,7-dimethoxy-4H-1-benzopyran-4-one, 9Cl. 4',5-Dihydroxy-6,7-dimethoxyflavonol. **Eupalitin**



Related CAS Registry Numbers(s): 35399-32-7

Molecular Formula: C₁₇H₁₄O₇

Molecular Weight: 330.293

Accurate Mass: 330.073955

Percentage Composition: C 61.82%; H 4.27%; O 33.91%

Biological Source: Aglycone from Eupalin. Isol. from *Ipomopsis aggregata*. Also isol. from *Eupatorium* spp., *Artemisia* and other Asteraceae

Melting Point: Mp 289-292°

>>Derivative: Tri-Ac

Molecular Formula: C₂₃H₂₀O₁₀

Molecular Weight: 456.405

Percentage Composition: C 60.53%; H 4.42%; O 35.06%

Melting Point: Mp 209-211°

>>Derivative: 3-O-α-L-Rhamnopyranoside

Synonym(s): Eupalitin 3-rhamnoside. **Eupalin**

CAS Registry Number: 29617-75-2

Molecular Formula: C₂₃H₂₄O₁₁

Molecular Weight: 476.436

Accurate Mass: 476.131865

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

Biological Source: Isol. from *Eupatorium ligustrinum*

Melting Point: Mp 207-210°

Optical Rotation: [α]_D -129.6 (Py)

>>Derivative: 3-O-β-D-Glucopyranoside

Synonym(s): Eupalitin 3-glucoside

CAS Registry Number: 83117-60-6

Molecular Formula: C₂₃H₂₄O₁₂

Molecular Weight: 492.435

Accurate Mass: 492.12678

Percentage Composition: C 56.10%; H 4.91%; O 38.99%

Biological Source: Isol. from *Brickellia scoparia* and *Sesuvium portulacastrum*

Physical Description: Yellow cryst. (MeOH/EtOAc)

Melting Point: Mp 223°

>>Derivative: 3-O-β-D-Galactopyranoside

Synonym(s): Eupalitin 3-galactoside

CAS Registry Number: 98604-37-6

Molecular Formula: C₂₃H₂₄O₁₂

Molecular Weight: 492.435

Accurate Mass: 492.12678

Percentage Composition: C 56.10%; H 4.91%; O 38.99%

Biological Source: Isol. from *Brickellia* spp., *Ipomopsis* sp. and *Anvillea* sp.

Physical Description: No phys. props. reported