



Molecular Weight: 238.196
Accurate Mass: 238.04774
Percentage Composition: C 55.47%; H 4.23%; O 40.30%
Biological Source: Constit. of the roots of *Pelargonium sidoides*
Physical Description: Cryst.
Melting Point: Mp 144-147°

>>Derivative: 5,7-Di-Me ether, 6-*O*-sulfate

Molecular Formula: C₁₁H₁₀O₉S
Molecular Weight: 318.261
Accurate Mass: 318.004555
Percentage Composition: C 41.51%; H 3.17%; O 45.24%; S 10.08%
Biological Source: Constit. of *Pelargonium sidoides*

>>Derivative: 5,7-Di-Me ether, 8-*O*-sulfate

Molecular Formula: C₁₁H₁₀O₉S
Molecular Weight: 318.261
Accurate Mass: 318.004555
Percentage Composition: C 41.51%; H 3.17%; O 45.24%; S 10.08%
Biological Source: Constit. of *Pelargonium sidoides*

>>Derivative: 5,6,7-Tri-Me ether

Synonym(s): 8-Hydroxy-5,6,7-trimethoxy-2*H*-1-benzopyran-2-one, 9Cl. 8-Hydroxy-5,6,7-trimethoxycoumarin

Molecular Formula: C₁₂H₁₂O₆
Molecular Weight: 252.223
Accurate Mass: 252.06339
Percentage Composition: C 57.14%; H 4.80%; O 38.06%
Biological Source: Constit. of *Hibiscus syriacus* and *Pelargonium reniforme*
Physical Description: Pale yellow solid
Melting Point: Mp 153-156°
UV: [neutral] λ_{max} 212 (log ε 4.25); 260 (log ε 3.79); 311 (log ε 3.8) (MeOH)

>>Derivative: Tetra-Me ether

Synonym(s): 5,6,7,8-Tetramethoxy-2*H*-1-benzopyran-2-one. 5,6,7,8-Tetramethoxycoumarin. **Artelin**‡

CAS Registry Number: 56317-15-8

Molecular Formula: C₁₃H₁₄O₆
Molecular Weight: 266.25
Accurate Mass: 266.07904
Percentage Composition: C 58.65%; H 5.30%; O 36.05%
Biological Source: Constit. of *Artemisia tridentata*
Physical Description: Amorph. solid

>>Derivative: 5,6-Methylene, 7,8-di-Me ether

Synonym(s): 4,5-Dimethoxy-7*H*-1,3-dioxolo[4,5-*f*][1]benzopyran-7-one. 7,8-Dimethoxy-5,6-methylenedioxcoumarin

CAS Registry Number: 247093-24-9

Molecular Formula: C₁₂H₁₀O₆
Molecular Weight: 250.207
Accurate Mass: 250.04774
Percentage Composition: C 57.61%; H 4.03%; O 38.37%
Biological Source: Constit. of *Metrodorea flavida*