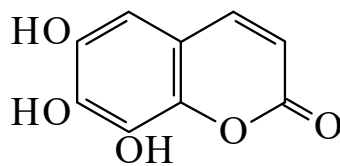




>>Entry Name: 6,7,8-Trihydroxy-2*H*-1-benzopyran-2-one, 9Cl

Synonym(s): 6,7,8-Trihydroxycoumarin



CAS Registry Number: 114371-80-1

Molecular Formula: C₉H₆O₅

Molecular Weight: 194.143

Accurate Mass: 194.021525

Percentage Composition: C 55.68%; H 3.11%; O 41.21%

Biological Source: Constit. of the roots of *Pelargonium sidoides*

>>Derivative: 7-*O*-β-D-Glucopyranoside

Synonym(s): Eriocide

CAS Registry Number: 75872-12-7

Molecular Formula: C₁₅H₁₆O₁₀

Molecular Weight: 356.285

Accurate Mass: 356.07435

Percentage Composition: C 50.57%; H 4.53%; O 44.91%

Biological Source: Constit. of *Lasiosiphon eriocephalus*

Melting Point: Mp 350 dec.°

>>Derivative: 6-Me ether

>>Derivative: 7-Me ether

Synonym(s): 6,8-Dihydroxy-7-methoxy-2*H*-1-benzopyran-2-one. 6,8-Dihydroxy-7-methoxycoumarin

Molecular Formula: C₁₀H₈O₅

Molecular Weight: 208.17

Accurate Mass: 208.037175

Percentage Composition: C 57.70%; H 3.87%; O 38.43%

Biological Source: Constit. of the roots of *Pelargonium sidoides*

Melting Point: Mp 198-200°

>>Derivative: 6,7-Di-Me ether

>>Derivative: 6,8-Di-Me ether

Synonym(s): 7-Hydroxy-6,8-dimethoxy-2*H*-1-benzopyran-2-one. 7-Hydroxy-6,8-dimethoxycoumarin. **Isofraxidin**. Calycanthogenol. Phytodolor

CAS Registry Number: 486-21-5

Molecular Formula: C₁₁H₁₀O₅

Molecular Weight: 222.197

Accurate Mass: 222.052825

Percentage Composition: C 59.46%; H 4.54%; O 36.00%

Biological Source: Isol. from ash bark *Fraxinus excelsior* and *Artemisia scotina*. Also from neem bark *Azadirachta indica*

Biological Use/Importance: Shows strong insecticidal activity against *Epilachna varivestis*

Melting Point: Mp 148-149°

UV: [base] λ_{max} 214 (ε); 234 (ε); 400 (ε) (MeOH/NaOH) (Derep) [neutral] λ_{max} 212 (ε); 224 (ε); 342 (ε) (MeOH) (Derep)