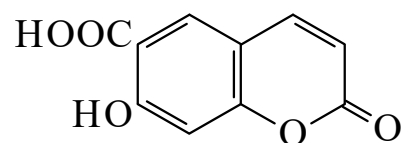




>>Entry Name: 7-Hydroxy-2-oxo-2H-1-benzopyran-6-carboxylic acid, 9CI

Synonym(s): 7-Hydroxycoumarin-6-carboxylic acid. Umbelliferone-6-carboxylic acid



CAS Registry Number: 833-52-3

Molecular Formula: C₁₀H₆O₅

Molecular Weight: 206.154

Accurate Mass: 206.021525

Percentage Composition: C 58.26%; H 2.93%; O 38.80%

Biological Source: Constit. of *Peucedanum stenocarpum*

Physical Description: Cryst.

Melting Point: Mp 258-259 dec.°

>>Derivative: Me ester

Synonym(s): **Peuruthenicin**. Officinalin

CAS Registry Number: 52591-14-7

Biological Source: Isol. from roots of *Peucedanum ruthenicum*

Physical Description: Cream coloured needles (MeOH)

Melting Point: Mp 196-197°

Other Data: The structs. of Officinalin and its esters were questioned in 1977

>>Derivative: Ac, Me ester

Synonym(s): Officinalin acetate

CAS Registry Number: 61467-57-0

Molecular Formula: C₁₃H₁₀O₆

Molecular Weight: 262.218

Accurate Mass: 262.04774

Percentage Composition: C 59.55%; H 3.84%; O 36.61%

Biological Source: From *Peucedanum officinale*

Physical Description: Cryst. (C₆H₆/petrol)

Melting Point: Mp 193.5-195°

>>Derivative: 2-Methylpropanoyl, Me ester

Synonym(s): Officinalin isobutyrate

CAS Registry Number: 61467-56-9

Molecular Formula: C₁₅H₁₄O₆

Molecular Weight: 290.272

Accurate Mass: 290.07904

Percentage Composition: C 62.07%; H 4.86%; O 33.07%

Biological Source: From *Peucedanum officinale*

Physical Description: Cryst. (C₆H₆/petrol)

Melting Point: Mp 118.5-120°

>>Derivative: Me ether

Synonym(s): 7-Methoxycoumarin-6-carboxylic acid. **Buntansin A**

CAS Registry Number: 52525-63-0

Molecular Formula: C₁₁H₈O₅

Molecular Weight: 220.181

Accurate Mass: 220.037175

Percentage Composition: C 60.01%; H 3.66%; O 36.33%

Biological Source: Constit. of *Citrus grandis*

Physical Description: Granules (Me₂CO)

Melting Point: Mp 237-239° (216-217°)

References: