



>>Entry Name: 4',5-Dihydroxyflavone, 8Cl

Synonym(s): 5-Hydroxy-2-(4-hydroxyphenyl)-4H-1-benzopyran-4-one, 9Cl

CAS Registry Number: 6665-67-4

Structure by analogy with Cyclocoumarol, [CMQ81-A](#)

Molecular Formula: C₁₅H₁₀O₄

Molecular Weight: 254.242

Accurate Mass: 254.05791

Percentage Composition: C 70.86%; H 3.96%; O 25.17%

Physical Description: Yellow cryst. (EtOH)

Melting Point: Mp 255-258° (240°)

Other Data: 848484

>>Derivative: Di-Ac

Molecular Formula: C₁₉H₁₄O₆

Molecular Weight: 338.316

Accurate Mass: 338.07904

Percentage Composition: C 67.45%; H 4.17%; O 28.37%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 179-180°

>>Derivative: 4'-Me ether

Synonym(s): 5-Hydroxy-4'-methoxyflavone

CAS Registry Number: 6665-72-1

Molecular Formula: C₁₆H₁₂O₄

Molecular Weight: 268.268

Accurate Mass: 268.07356

Percentage Composition: C 71.64%; H 4.51%; O 23.86%

Physical Description: Light-yellow cryst. (EtOH)

Melting Point: Mp 157-158°

>>Derivative: 5-Me ether

Synonym(s): 4'-Hydroxy-5-methoxyflavone

CAS Registry Number: 106848-87-7

Molecular Formula: C₁₆H₁₂O₄

Molecular Weight: 268.268

Accurate Mass: 268.07356

Percentage Composition: C 71.64%; H 4.51%; O 23.86%

Physical Description: Light-yellow cryst. (EtOH)

Melting Point: Mp 270-271°

>>Derivative: Di-Me ether

Synonym(s): 4',5-Dimethoxyflavone

CAS Registry Number: 6697-63-8

Molecular Formula: C₁₇H₁₄O₄

Molecular Weight: 282.295

Accurate Mass: 282.08921

Percentage Composition: C 72.33%; H 5.00%; O 22.67%

Physical Description: Yellow cryst. (EtOH aq.)

Melting Point: Mp 160°

References:

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Ternai, B. *et al.*, *Tetrahedron*, 1976, **32**, 565-569, (*cmr*)

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