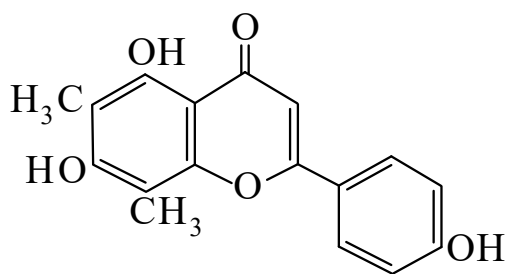




>>Entry Name: 4',5,7-Trihydroxy-6,8-dimethylflavone

Synonym(s): 5,7-Dihydroxy-2-(4-hydroxyphenyl)-6,8-dimethyl-4H-1-benzopyran-4-one. Syzalterin



CAS Registry Number: 94451-48-6

Molecular Formula: C₁₇H₁₄O₅

Molecular Weight: 298.295

Accurate Mass: 298.084125

Percentage Composition: C 68.45%; H 4.73%; O 26.82%

Biological Source: Isol. from the leaves of *Syzygium alternifolium*

Physical Description: Yellow cryst. (EtOH)

Melting Point: Mp 330°

>>Derivative: Tri-Ac

CAS Registry Number: 132679-93-7

Physical Description: Cryst. (CHCl₃/hexane)

Melting Point: Mp 181-183°

>>Derivative: 7-Me ether

Synonym(s): 4',5-Dihydroxy-7-methoxy-6,8-dimethylflavone. Sideroxylin

CAS Registry Number: 3122-87-0

Molecular Formula: C₁₈H₁₆O₅

Molecular Weight: 312.321

Accurate Mass: 312.099775

Percentage Composition: C 69.22%; H 5.16%; O 25.61%

Biological Source: Isol. from *Eucalyptus* spp. and *Kalmia* spp.

Physical Description: Light yellow needles (EtOH)

Melting Point: Mp 286-287°

>>Derivative: 4',7-Di-Me ether

Synonym(s): 5-Hydroxy-4',7-dimethoxy-6,8-dimethylflavone. Eucalyptin

CAS Registry Number: 3122-88-1

Molecular Formula: C₁₉H₁₈O₅

Molecular Weight: 326.348

Accurate Mass: 326.115425

Percentage Composition: C 69.93%; H 5.56%; O 24.51%

Biological Source: Isol. from *Eucalyptus* spp., *Kalmia latifolia*, *Angophora hispida* and *Syncarpia glomulifera*

Physical Description: Pale yellow needles

Melting Point: Mp 198.5-200°

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Courtney, J.L. *et al.*, *Phytochemistry*, 1983, **22**, 947, (*Eucalyptin*)
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Youssef, D.T.A. *et al.*, *Phytochemistry*, 1998, **49**, 2579-2583, (*isol*, *pmr*, *cmr*)