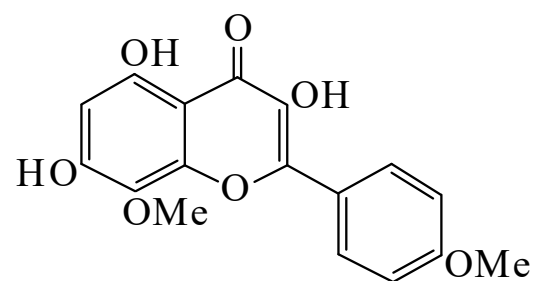




>>Entry Name: 3,5,7-Trihydroxy-4',8-dimethoxyflavone

Synonym(s): 3,5,7-Trihydroxy-8-methoxy-2-(4-methoxyphenyl)-4*H*-1-benzopyran-4-one. 5,7-Dihydroxy-4',8-dimethoxyflavonol. **Prudomestin**



CAS Registry Number: 3443-28-5

Molecular Formula: C₁₇H₁₄O₇

Molecular Weight: 330.293

Accurate Mass: 330.073955

Percentage Composition: C 61.82%; H 4.27%; O 33.91%

Biological Source: Isol. from heartwood of *Prunus domestica* and from *Pityrogramma triangularis*

Physical Description: Yellow needles (CHCl₃/petrol)

Melting Point: Mp 209-210°

>>Derivative: 3-*O*-β-D-Glucopyranoside

Synonym(s): Prudomestin 3-glucoside

CAS Registry Number: 226952-40-5

Molecular Formula: C₂₃H₂₄O₁₂

Molecular Weight: 492.435

Accurate Mass: 492.12678

Percentage Composition: C 56.10%; H 4.91%; O 38.99%

Biological Source: Constit. of *Cercidiphyllum japonicum*

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

Synonym(s): Prudomestin 7-glucoside. **Prudomenin**

CAS Registry Number: 24568-40-9

Molecular Formula: C₂₃H₂₄O₁₂

Molecular Weight: 492.435

Accurate Mass: 492.12678

Percentage Composition: C 56.10%; H 4.91%; O 38.99%

Biological Source: Isol. from the wood of *Pityrogramma mune*

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Hasegawa, M., *Shokubutsugaku Zasshi*, 1969, **82**, 148; *CA*, **71**, 67949x, (*Prudomenin*)
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