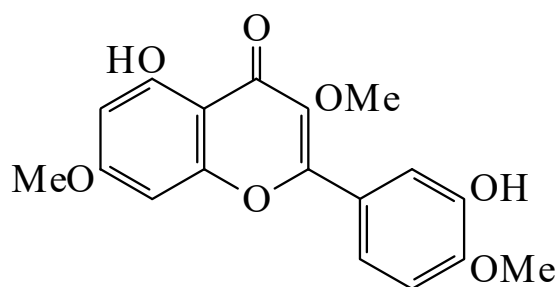




>>Entry Name: 3',5-Dihydroxy-3,4',7-trimethoxyflavone

Synonym(s): 5-Hydroxy-2-(3-hydroxy-4-methoxyphenyl)-3,7-dimethoxy-4*H*-1-benzopyran-4-one, 9Cl. **Ayanin**. Quercetin-3,4',7-trimethyl ether



CAS Registry Number: 572-32-7

Type of Compound Code(s): VK5250

Molecular Formula: C₁₈H₁₆O₇

Molecular Weight: 344.32

Accurate Mass: 344.089605

Percentage Composition: C 62.79%; H 4.68%; O 32.53%

Biological Source: Constit. of *Distemonanthus benthamianus* and other plants

Physical Description: Orange-yellow cryst. (MeOH/Me₂CO)

Melting Point: Mp 173-174°

>>Derivative: Di-Ac

Molecular Formula: C₂₂H₂₀O₉

Molecular Weight: 428.395

Percentage Composition: C 61.68%; H 4.71%; O 33.61%

Physical Description: Cryst. + ½ H₂O

Melting Point: Mp 176-177°

References:

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Rao, K.V. *et al.*, *J. Het. Chem.*, 1976, **13**, 1293, (*synth*)

Malan, E. *et al.*, *J.C.S. Perkin I*, 1979, 2696, (*isol, pmr*)

Chand, L. *et al.*, *J. Indian Chem. Soc.*, 1982, **59**, 1001, (*synth*)

Voirin, B., *Phytochemistry*, 1983, **22**, 2107, (*uv*)