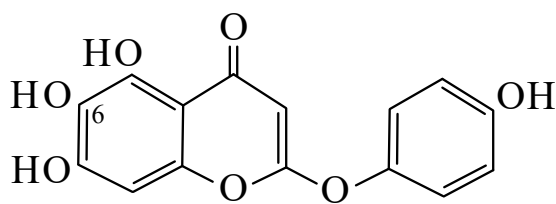




>>Entry Name: 5,6,7-Trihydroxy-2-(4-hydroxyphenoxy)-4-chromenone



Molecular Formula: C₁₅H₁₀O₇

Molecular Weight: 302.24

Accurate Mass: 302.042655

Percentage Composition: C 59.61%; H 3.33%; O 37.06%

>>Derivative: 6-Me ether

Synonym(s): 5,7-Dihydroxy-2-(4-hydroxyphenoxy)-6-methoxychromone. **Capillarisin**

CAS Registry Number: 56365-38-9

Molecular Formula: C₁₆H₁₂O₇

Molecular Weight: 316.267

Accurate Mass: 316.058305

Percentage Composition: C 60.76%; H 3.82%; O 35.41%

Biological Source: Constit. of *Artemisia capillaris*

Use/Importance: Aldose reductase inhibitor

Physical Description: Cryst.

Melting Point: Mp 226-228°

UV: [neutral] $\lambda_{\max}$ 234 (ϵ 28183); 288 (ϵ 16600) (MeOH) (Berdy)

>>Derivative: 6,7-Di-Me ether

Synonym(s): 5-Hydroxy-2-(4-hydroxyphenoxy)-6,7-dimethoxy-4-chromone

CAS Registry Number: 61780-21-0

Molecular Formula: C₁₇H₁₄O₇

Molecular Weight: 330.293

Accurate Mass: 330.073955

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

Source/Synthesis: Constit. of *Artemisia capillaris*

References:

Komiya, T. *et al.*, *Chem. Pharm. Bull.*, 1975, **23**, 1387

Takeno, H. *et al.*, *Chem. Comm.*, 1981, 474, (*synth*)