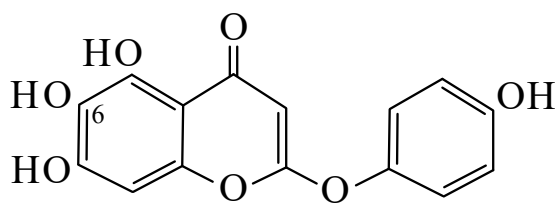




>>Entry Name: 5,6,7-Trihydroxy-2-(4-hydroxyphenoxy)-4-chromenone



**Molecular Formula:** C<sub>15</sub>H<sub>10</sub>O<sub>7</sub>

**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:** C<sub>16</sub>H<sub>12</sub>O<sub>7</sub>

**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 ( $\epsilon$  28183); 288 ( $\epsilon$  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:** C<sub>17</sub>H<sub>14</sub>O<sub>7</sub>

**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*)