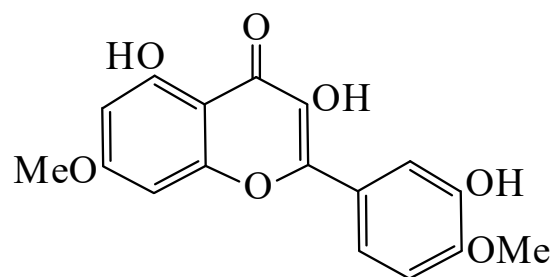




>>Entry Name: 3,3',5-Trihydroxy-4',7-dimethoxyflavone

Synonym(s): 3,5-Dihydroxy-2-(3-hydroxy-4-methoxyphenyl)-7-methoxy-4*H*-1-benzopyran-4-one, 9Cl. 3',5-Dihydroxy-4',7-dimethoxyflavonol. **Ombuin**



CAS Registry Number: 529-40-8

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%

Biological Source: Constit. of *Prosopis juliflora* bark, from *Phytolacca dioica*, *Angelonia*, *Cassia*, *Ostrya* and *Eupatorium* spp.

Physical Description: Yellow cryst.

Melting Point: Mp 230°

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

CAS Registry Number: 69168-13-4

Molecular Formula: C<sub>23</sub>H<sub>24</sub>O<sub>12</sub>

Molecular Weight: 492.435

Accurate Mass: 492.12678

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

Biological Source: Isol. from *Cassia laevigata*

Physical Description: Cryst. (EtOAc/petrol)

Melting Point: Mp 199 dec.°

>>Derivative: 3-*O*-Rutinoside

Synonym(s): Ombuoside

CAS Registry Number: 20188-85-6

Molecular Formula: C<sub>29</sub>H<sub>34</sub>O<sub>16</sub>

Molecular Weight: 638.578

Accurate Mass: 638.18469

Percentage Composition: C 54.55%; H 5.37%; O 40.09%

Biological Source: Isol. from *Phytolacca dioica*, *Flyriella parryi* and *Erythroxylon* spp.

Physical Description: Pale yellow cryst.

Melting Point: Mp 195-196°

Optical Rotation: [α]<sub>D</sub> -43 (Py)

>>Derivative: 3-*O*-Rutinoside, 5-*O*-β-D-glucopyranoside

CAS Registry Number: 96400-43-0

Molecular Formula: C<sub>35</sub>H<sub>44</sub>O<sub>21</sub>

Molecular Weight: 800.72

Accurate Mass: 800.237515

Percentage Composition: C 52.50%; H 5.54%; O 41.96%

Biological Source: Isol. from *Erythroxylon argentinum*