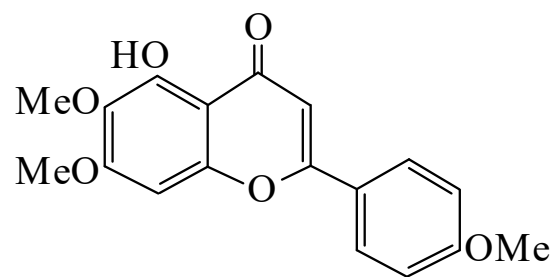




>>Entry Name: 5-Hydroxy-4',6,7-trimethoxyflavone

Synonym(s): 5-Hydroxy-6,7-dimethoxy-2-(4-methoxyphenyl)-4H-1-benzopyran-4-one. **Salvigenin**. Psathyrotin



CAS Registry Number: 19103-54-9

Molecular Formula: C<sub>18</sub>H<sub>16</sub>O<sub>6</sub>

Molecular Weight: 328.321

Accurate Mass: 328.09469

Percentage Composition: C 65.85%; H 4.91%; O 29.24%

Biological Source: Found in labiates of the genera *Salvia*, *Sideritis*, *Coleus*, *Colebrookia* and many other plants

Melting Point: Mp 190-191.5°

>>Derivative: 5-O-β-D-Glucopyranoside

CAS Registry Number: 57877-95-9

Molecular Formula: C<sub>24</sub>H<sub>26</sub>O<sub>11</sub>

Molecular Weight: 490.463

Accurate Mass: 490.147515

Percentage Composition: C 58.77%; H 5.34%; O 35.88%

Biological Source: Isol. from *Salvia virgata*

Melting Point: Mp 175-178°

>>Derivative: 5-O-(2-Propenyl)

Synonym(s): 5-Allyloxy-4',6,7-trimethoxyflavone. **5-Allyloxysalvigenin**

CAS Registry Number: 87200-85-9

Molecular Formula: C<sub>21</sub>H<sub>20</sub>O<sub>6</sub>

Molecular Weight: 368.385

Accurate Mass: 368.12599

Percentage Composition: C 68.47%; H 5.47%; O 26.06%

Biological Source: Isol. from *Tinospora malabarica*

Physical Description: Needles (MeOH)

Melting Point: Mp 162°

>>Derivative: 5-O-[6-O-Acetyl-β-D-glucopyranosyl-(1→3)-β-D-galactopyranoside]

CAS Registry Number: 158556-64-0

Molecular Formula: C<sub>32</sub>H<sub>38</sub>O<sub>17</sub>

Molecular Weight: 694.642

Accurate Mass: 694.210905

Percentage Composition: C 55.33%; H 5.51%; O 39.16%

Biological Source: Constit. of *Striga aspera*

#### References:

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Prakash, S. *et al.*, *Phytochemistry*, 1982, **21**, 2992, (5-Allyloxysalvigenin)  
Voirin, B., *Phytochemistry*, 1983, **22**, 2107, (uv)  
Horie, T. *et al.*, *Nippon Kagaku Kaishi*, 1985, **105**, 232, (synth)  
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