



Molecular Formula: C₂₇H₃₀O₁₆
Molecular Weight: 610.524
Accurate Mass: 610.15339
Percentage Composition: C 53.12%; H 4.95%; O 41.93%
Biological Source: Constit. of *Gratiola officinalis*
Melting Point: Mp 193-195°

>>Derivative: 7-*O*-[β-D-Glucopyranosyl-(1→2)-β-D-glucopyranoside], Ac

CAS Registry Number: 59379-76-9

Molecular Formula: C₂₉H₃₂O₁₇
Molecular Weight: 652.562
Accurate Mass: 652.163955
Percentage Composition: C 53.38%; H 4.94%; O 41.68%
Biological Source: Isol. from *Stachys palustris*
Melting Point: Mp 167-169°
Optical Rotation: [α]_D²²+80 (c, 0.25 in MeOH aq.)
Other Data: Posn. of acetylation not detd.

>>Derivative: 4'-Me ether

>>Derivative: 7-Me ether

Synonym(s): 4',5,8-Trihydroxy-7-methoxyflavone. **Salvitin**‡

CAS Registry Number: 56595-23-4

Molecular Formula: C₁₆H₁₂O₆
Molecular Weight: 300.267
Accurate Mass: 300.06339
Percentage Composition: C 64.00%; H 4.03%; O 31.97%
Biological Source: Isol. from *Artemisia campestris* and flowers of *Salvia plebeia*
Physical Description: Yellow needles (MeOH)
Melting Point: Mp 304-305° (277-279°)
Other Data: The name Salvitin is no longer used

>>Derivative: 8-Me ether

Synonym(s): 4',5,7-Trihydroxy-8-methoxyflavone. 4'-Hydroxywogonin

CAS Registry Number: 57096-02-3

Molecular Formula: C₁₆H₁₂O₆
Molecular Weight: 300.267
Accurate Mass: 300.06339
Percentage Composition: C 64.00%; H 4.03%; O 31.97%
Biological Source: Isol. from *Gardenia gummifera*, *Gardenia lucida*, *Doronicum grandiflorum* and *Scutellaria* spp.
Physical Description: Yellow powder (EtOH)
Melting Point: Mp 300°

>>Derivative: 8-Me ether, 7-*O*-[α-L-rhamnopyranosyl-(1→2)-β-D-glucopyranoside]

CAS Registry Number: 110011-53-5

Molecular Formula: C₂₈H₃₂O₁₅
Molecular Weight: 608.552
Accurate Mass: 608.174125
Percentage Composition: C 55.26%; H 5.30%; O 39.44%
Biological Source: Isol. from *Garcinia adamanica*
Physical Description: Yellow needles (MeOH)
Melting Point: Mp 320 dec.°