CAS Registry Number: 52714-83-7

Molecular Formula: $C_{33}H_{40}O_{19}$
Molecular Weight: 740.668
Accurate Mass: 740.216385
Percentage Composition: C 53.51%; H 5.44%; O 41.04%
Biological Source: Isol. from *Galium mollugo*

>>**Derivative:** 6"-*O*-α-L-Rhamnopyranosyl, 4'-*O*-(3,4-dihydroxycinnamoyl)
Synonym(s): Menthoside. Apigenin 7-*O*-rutinoside 4'-*O*-caffeate

CAS Registry Number: 14637-28-6

Molecular Formula: $C_{36}H_{36}O_{17}$
Molecular Weight: 740.67
Accurate Mass: 740.195255
Percentage Composition: C 58.38%; H 4.90%; O 36.72%
Biological Source: Isol. from *Mentha piperita*
Physical Description: Cryst. (EtOH)
Melting Point: Mp 271-273°
Optical Rotation: $[\alpha]_D^{18}$ –89 (c, 0.1 in DMF)

>>**Derivative:** 2"-β-D-Apiofuranosyl
Synonym(s): Apiin. 7-(2-Apiosylglucosyl)apigenin

CAS Registry Number: 26544-34-3

Molecular Formula: $C_{26}H_{28}O_{14}$
Molecular Weight: 564.499
Accurate Mass: 564.14791
Percentage Composition: C 55.32%; H 5.00%; O 39.68%
Biological Source: Constit. of parsley (*Petroselinium crispum*) and other Umbelliferae and of the flowers of *Anthemis nobilis* and other plants. First isol. in 1843
Physical Description: Cryst. (EtOH)
Melting Point: Mp 236-237°
Optical Rotation: $[\alpha]_D$ –130 (c, 0.12 in MeOH)
UV: [neutral] λ_{max} 267 (ε 15136); 342 (ε 19950) (MeOH) (Berdy)

>>**Derivative:** 2"-β-D-Apiofuranosyl, 6"-Ac
Synonym(s): 6''-Acetylapiin

Molecular Formula: $C_{28}H_{30}O_{15}$
Molecular Weight: 606.536
Accurate Mass: 606.158475
Percentage Composition: C 55.45%; H 4.99%; O 39.57%
Biological Source: Constit. of parsley
Physical Description: Powder
Optical Rotation: $[\alpha]_D^{25}$ –151.6 (c, 0.4 in MeOH)
UV: [neutral] λ_{max} 269 (log ε 4); 334 (log ε 4.1) (MeOH)

>>**Derivative:** 2"-β-D-Apiofuranosyl, 6"-*O*-malonyl
Synonym(s): 6''-Malonylapiin

CAS Registry Number: 60478-75-3

Molecular Formula: $C_{29}H_{30}O_{17}$
Molecular Weight: 650.546
Accurate Mass: 650.148305
Percentage Composition: C 53.54%; H 4.65%; O 41.81%
Biological Source: Isol. from parsley