



CAS Registry Number: 52714-83-7

Molecular Formula: C₃₃H₄₀O₁₉

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: C₃₆H₃₆O₁₇

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: [α]_D¹⁸ -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: C₂₆H₂₈O₁₄

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: [α]_D -130 (c, 0.12 in MeOH)

UV: [neutral] $\lambda_{\max}$ 267 (ϵ 15136); 342 (ϵ 19950) (MeOH) (Berdy)

>>**Derivative:** 2''- β -D-Apiofuranosyl, 6''-Ac

Synonym(s): 6''-Acetylapiin

Molecular Formula: C₂₈H₃₀O₁₅

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: [α]_D²⁵ -151.6 (c, 0.4 in MeOH)

UV: [neutral] $\lambda_{\max}$ 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: C₂₉H₃₀O₁₇

Molecular Weight: 650.546

Accurate Mass: 650.148305

Percentage Composition: C 53.54%; H 4.65%; O 41.81%

Biological Source: Isol. from parsley