



Molecular Formula: C₂₃H₂₂O₁₁
Molecular Weight: 474.42
Accurate Mass: 474.116215
Percentage Composition: C 58.23%; H 4.67%; O 37.10%
Biological Source: Isol. from *Matricaria chamomilla*
Physical Description: No phys. props. reported

>>Derivative: 2",3"-Di-Ac

CAS Registry Number: 84323-20-6

Molecular Formula: C₂₅H₂₄O₁₂
Molecular Weight: 516.457
Accurate Mass: 516.12678
Percentage Composition: C 58.14%; H 4.68%; O 37.17%
Biological Source: Isol. from *Matricaria chamomilla*
Physical Description: No phys. props. reported

>>Derivative: 3",4"-Di-Ac

CAS Registry Number: 84323-21-7

Molecular Formula: C₂₅H₂₄O₁₂
Molecular Weight: 516.457
Accurate Mass: 516.12678
Percentage Composition: C 58.14%; H 4.68%; O 37.17%
Biological Source: Isol. from *Matricaria chamomilla*
Physical Description: No phys. props. reported

>>Derivative: 6"-O-(2*E*-Butenoyl)

Synonym(s): Crotonoylcosmosiin

CAS Registry Number: 123656-62-2

Molecular Formula: C₂₅H₂₄O₁₁
Molecular Weight: 500.458
Accurate Mass: 500.131865
Percentage Composition: C 60.00%; H 4.83%; O 35.17%
Biological Source: Isol. from *Thermopsis alterniflora*
Melting Point: Mp 265-267°
Optical Rotation: [α]_D²² -161.5 (c, 0.53 in DMF)

>>Derivative: 6"-O-Malonyl

Synonym(s): 6'-Malonylcosmosiin

CAS Registry Number: 51011-05-3

Molecular Formula: C₂₄H₂₂O₁₃
Molecular Weight: 518.43
Accurate Mass: 518.106045
Percentage Composition: C 55.60%; H 4.28%; O 40.12%
Biological Source: Isol. from *Petroselinum crispum* and *Bryum capillare*
Physical Description: No phys. props. reported

>>Derivative: 6"-O-(4-Carboxy-3-hydroxy-3-methylbutanoyl)

Synonym(s): 6"-O-(3-Hydroxy-3-methylglutaroyl)cosmosiin. **Chamaemeloside**

CAS Registry Number: 173356-77-9

Molecular Formula: C₂₇H₂₈O₁₄
Molecular Weight: 576.51
Accurate Mass: 576.14791
Percentage Composition: C 56.25%; H 4.90%; O 38.85%
Biological Source: Constit. of the flowers of *Chamaemelum nobile* (Asteraceae)
Physical Description: Amorph. yellow powder
Optical Rotation: [α]_D²⁰ -74.5 (c, 0.2 in Py)
UV: [neutral] $\lambda_{\max}$ 268 (ϵ 20780); 333 (ϵ 24200) (MeOH)