



Percentage Composition: C 76.30%; H 9.48%; O 14.23%

Biological Source: Constit. of *Diospyros maritima*

Physical Description: Amorph. solid

Optical Rotation: $[\alpha]_D^{18} +27.1$ (c, 0.45 in CHCl₃)

UV: [neutral] $\lambda_{\max}$ 312 (log ϵ 4.71) (MeOH)

>>**Derivative:** 3-*O*-(4-Hydroxy-*E*-cinnamoyl), 28-*O*-hexadecanoyl

Synonym(s): 3-Coumaroyl-28-palmitoylbetulin

CAS Registry Number: 221110-13-0

Molecular Formula: C₅₅H₈₆O₅

Molecular Weight: 827.281

Accurate Mass: 826.647525

Percentage Composition: C 79.85%; H 10.48%; O 9.67%

Biological Source: Constit. of *Diospyros maritima*

Physical Description: Amorph. solid

Optical Rotation: $[\alpha]_D^{20} +32.1$ (c, 0.6 in CHCl₃)

UV: [neutral] $\lambda_{\max}$ 309 (log ϵ 4.7) (MeOH)

>>**Derivative:** 3-*O*-(4-Hydroxy-*E*-cinnamoyl), 28-*O*-hexadecanoyl

CAS Registry Number: 217456-08-1

Molecular Formula: C₅₅H₈₆O₅

Molecular Weight: 827.281

Accurate Mass: 826.647525

Percentage Composition: C 79.85%; H 10.48%; O 9.67%

Biological Source: Constit. of *Diospyros maritima*

Physical Description: Amorph. solid

Optical Rotation: $[\alpha]_D^{20} +23.1$ (c, 0.3 in CHCl₃)

UV: [neutral] $\lambda_{\max}$ 312 (log ϵ 4.65) (MeOH)

>>**Derivative:** 3-*O*-(3,4-Dihydroxycinnamoyl)

Synonym(s): Betulin caffeate

CAS Registry Number: 89130-86-9

Molecular Formula: C₃₉H₅₆O₅

Molecular Weight: 604.868

Accurate Mass: 604.412775

Percentage Composition: C 77.44%; H 9.33%; O 13.23%

Biological Source: Constit. of *Betula ermanii*

Physical Description: Yellow amorph. powder

Optical Rotation: $[\alpha]_D +38$ (c, 1.8 in MeOH)

>>**Derivative:** 3-*O*-(4-Hydroxy-3-methoxy-*E*-cinnamoyl)

Synonym(s): 3-Feruloylbetulin

CAS Registry Number: 200941-98-6

Molecular Formula: C₄₀H₅₈O₅

Molecular Weight: 618.895

Accurate Mass: 618.428425

Percentage Composition: C 77.63%; H 9.45%; O 12.93%

Biological Source: Constit. of *Diospyros maritima*

Physical Description: Cryst.

Melting Point: Mp 152-154°

Optical Rotation: $[\alpha]_D^{28} +16.2$ (c, 0.4 in CHCl₃)

UV: [neutral] $\lambda_{\max}$ 215 (log ϵ 4.63); 234 (log ϵ 4.53); 297 (log ϵ 4.41); 325 (log ϵ 4.5) (no solvent reported)

>>**Derivative:** 3-*O*-(4-Hydroxy-3-methoxy-*E*-cinnamoyl), 28-*O*-hexadecanoyl

CAS Registry Number: 217456-07-0