



CAS Registry Number: 19210-12-9

Molecular Formula: C₂₄H₃₀O₁₁

Molecular Weight: 494.494

Accurate Mass: 494.178815

Percentage Composition: C 58.29%; H 6.11%; O 35.59%

Biological Source: Constit. of *Melittis melissophyllum* and *Harpagophytum procumbens*

Physical Description: Amorph.

Melting Point: Mp 117-121°

Optical Rotation: $[\alpha]_D^{21} -27.7$ (c, 0.19 in CHCl₃). $[\alpha]_D -42.6$ (c, 0.99 in MeOH)

>>Derivative: 8-*O-E*-Cinnamoyl, 6'-Ac

Synonym(s): 6'-Acetylharpagoside

CAS Registry Number: 297136-96-0

Molecular Formula: C₂₆H₃₂O₁₂

Molecular Weight: 536.532

Accurate Mass: 536.18938

Percentage Composition: C 58.20%; H 6.01%; O 35.78%

Biological Source: Constit. of *Scrophularia ningpoensis*

>>Derivative: 8-*O-E*-Cinnamoyl, hexa-Ac

Physical Description: Cryst.

Melting Point: Mp 193-194°

>>Derivative: 8-*O-E*-Cinnamoyl, 6-*O-α-D*-galactopyranoside

CAS Registry Number: 221010-22-6

Molecular Formula: C₃₀H₄₀O₁₆

Molecular Weight: 656.636

Accurate Mass: 656.23164

Percentage Composition: C 54.88%; H 6.14%; O 38.99%

Biological Source: Constit. of *Scrophularia ningpoensis*

Physical Description: Amorph. powder

Melting Point: Mp 169-173°

Optical Rotation: $[\alpha]_D -7.43$ (c, 0.34 in MeOH)

>>Derivative: 8-*O-Z*-Cinnamoyl

Synonym(s): 8-*cis*-Cinnamoylharpagide

CAS Registry Number: 133645-36-0

Molecular Formula: C₂₄H₃₀O₁₁

Molecular Weight: 494.494

Accurate Mass: 494.178815

Percentage Composition: C 58.29%; H 6.11%; O 35.59%

Biological Source: Constit. of *Rogeria adenophylla* and *Scrophularia scorodonia*

Physical Description: Amorph. powder

>>Derivative: 8-*O*-(2-Hydroxycinnamoyl)

Synonym(s): 8-*O-2-Hydroxycinnamoylharpagide*

CAS Registry Number: 221003-22-1

Molecular Formula: C₂₄H₃₀O₁₂

Molecular Weight: 510.494

Accurate Mass: 510.17373

Percentage Composition: C 56.47%; H 5.92%; O 37.61%

Biological Source: Constit. of *Scrophularia ningpoensis*

Physical Description: Gum

Optical Rotation: $[\alpha]_D -35.7$ (c, 0.19 in MeOH)