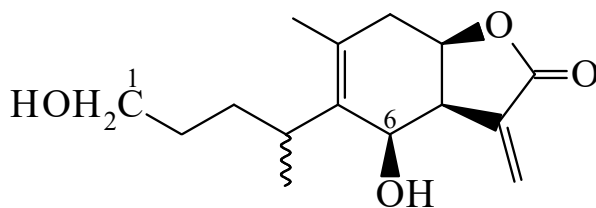




>>Entry Name: 1,6-Dihydroxy-1,10-seco-5(10),11(13)-eudesmadien-12,8-olide



Molecular Formula: C₁₅H₂₂O₄

Molecular Weight: 266.336

Accurate Mass: 266.15181

Percentage Composition: C 67.65%; H 8.33%; O 24.03%

>>Variant: (4ξ,6β,8β)-form

Synonym(s): Britannilactone. Deacetylinulicin

CAS Registry Number: 33620-72-3

Type of Compound Code(s): VS1990

Molecular Formula: C₁₅H₂₂O₄

Molecular Weight: 266.336

Accurate Mass: 266.15181

Percentage Composition: C 67.65%; H 8.33%; O 24.03%

Biological Source: Constit. of *Inula britannica* and *Inula japonica*

Physical Description: Cryst. (CHCl₃/Me₂CO)

Melting Point: Mp 175-177°

Optical Rotation: [α]_D +91.3 (c, 0.092 in MeOH)

>>Derivative: 1-Ac

Synonym(s): Inulicin. 1-Acetoxy-6α-hydroxyeriolanolide

CAS Registry Number: 33627-41-7

Type of Compound Code(s): VS1990

Molecular Formula: C₁₇H₂₄O₅

Molecular Weight: 308.374

Accurate Mass: 308.162375

Percentage Composition: C 66.21%; H 7.84%; O 25.94%

Biological Source: Constit. of *Inula britannica* and *Inula japonica*

Physical Description: Needles

Melting Point: Mp 124-126°

Optical Rotation: [α]_D +101.6 (c, 0.264 in CHCl₃)

Other Data: Struct. of Inulicin revised in 1993: previously thought to be a secoguaianolide

>>Derivative: Di-Ac

CAS Registry Number: 151513-70-1

Type of Compound Code(s): VS1990

Molecular Formula: C₁₉H₂₆O₆

Molecular Weight: 350.411

Accurate Mass: 350.17294

Percentage Composition: C 65.13%; H 7.48%; O 27.40%

Biological Source: Constit. of *Inula britannica*

Physical Description: Needles

Melting Point: Mp 84-85°

Optical Rotation: [α]_D +37.5 (c, 0.171 in CHCl₃)

UV: [neutral] λ_{max} 212 () (MeOH) (Berdy)

References:

- Kiseleve, E.Ya. *et al.*, *Khim. Prir. Soedin.*, 1971, **7**, 263; *Chem. Nat. Compd. (Engl. Transl.)*, 1971, **7**, 254, (*Inulicin*)
Evstratova, R.I. *et al.*, *Khim. Prir. Soedin.*, 1974, **10**, 730; *Chem. Nat. Compd. (Engl. Transl.)*, 1974, **10**, 752, (*Inulicin*)
Zhou, B.-N. *et al.*, *Phytochemistry*, 1993, **34**, 249, (*isol*, *pmr*, *cmr*)
Jeske, F. *et al.*, *Phytochemistry*, 1993, **34**, 1647, (*Inulicin*)