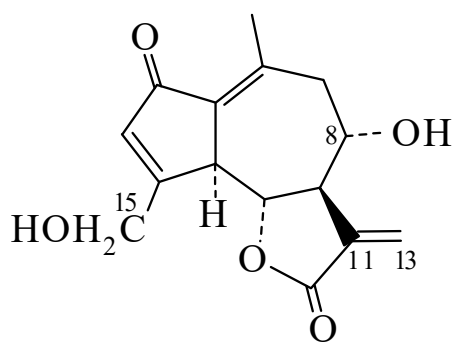




>>Entry Name: 8,15-Dihydroxy-2-oxo-1(10),3,11(13)-guaiatrien-12,6-olide



Molecular Formula: C₁₅H₁₆O₅

Molecular Weight: 276.288

Accurate Mass: 276.099775

Percentage Composition: C 65.21%; H 5.84%; O 28.95%

>>Variant: (5 α ,6 α ,8 α)-form

Synonym(s): Lactucin

CAS Registry Number: 1891-29-8

Type of Compound Code(s): VS2410

Molecular Formula: C₁₅H₁₆O₅

Molecular Weight: 276.288

Accurate Mass: 276.099775

Percentage Composition: C 65.21%; H 5.84%; O 28.95%

Biological Source: Constit. of *Lactuca virosa* and *Lactuca serriola*. Also from *Cichorium intybus*

Physical Description: Cryst. (Me₂CO)

Melting Point: Mp 224-228°

Optical Rotation: [α]_D +49 (c, 0.9 in MeOH)

UV: [neutral] $\lambda_{\max}$ 257 (ϵ 14000) (EtOH) (Berdy)

>>Derivative: 15-O- β -D-Glucopyranoside

Synonym(s): Picriside A

CAS Registry Number: 104778-11-2

Type of Compound Code(s): VS2410

Molecular Formula: C₂₁H₂₆O₁₀

Molecular Weight: 438.43

Accurate Mass: 438.1526

Percentage Composition: C 57.53%; H 5.98%; O 36.49%

Biological Source: Constit. of *Picris hieracioides* var. *japonica*

Physical Description: Cryst. (MeOH/EtOAc)

Melting Point: Mp 248-250°

Optical Rotation: [α]_D -38 (c, 0.71 in MeOH)

>>Derivative: 8-Ac

CAS Registry Number: 83117-61-7

Type of Compound Code(s): VS2410

Molecular Formula: C₁₇H₁₈O₆

Molecular Weight: 318.326

Accurate Mass: 318.11034

Percentage Composition: C 64.14%; H 5.70%; O 30.16%

Biological Source: Constit. of *Lactuca floridana* and *Lactuca mucronata*

Physical Description: Gum

>>Derivative: 8-Ac, 15-O- β -D-glucopyranoside

Synonym(s): 8-Acetyl-15-O- β -D-glucopyranosyllactucin

CAS Registry Number: 135626-59-4

Type of Compound Code(s): VS2410

Molecular Formula: C₂₃H₂₈O₁₁

Molecular Weight: 480.468

Accurate Mass: 480.163165

Percentage Composition: C 57.50%; H 5.87%; O 36.63%

Biological Source: Constit. of *Cicerbita alpina*

Physical Description: Powder

Melting Point: Mp 150-155 dec.°

Optical Rotation: [α]