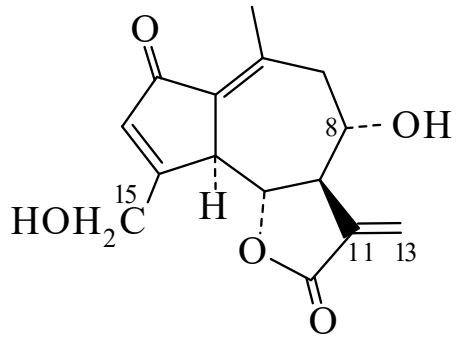
>>**Entry Name: 8,15-Dihydroxy-2-oxo-1(10),3,11(13)-guaiatrien-12,6-olide**



Molecular Formula: $C_{15}H_{16}O_5$
Molecular Weight: 276.288
Accurate Mass: 276.099775
Percentage Composition: C 65.21%; H 5.84%; O 28.95%

>>**Variant:** (5α,6α,8α)-form
Synonym(s): Lactucin

CAS Registry Number: 1891-29-8
Type of Compound Code(s): VS2410
Molecular Formula: $C_{15}H_{16}O_5$
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. (Me_2CO)
Melting Point: Mp 224-228°
Optical Rotation: $[\alpha]_D$ +49 (c, 0.9 in MeOH)
UV: [neutral] λ_{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: $C_{21}H_{26}O_{10}$
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: $[\alpha]_D$ –38 (c, 0.71 in MeOH)

>>**Derivative:** 8-Ac

CAS Registry Number: 83117-61-7
Type of Compound Code(s): VS2410
Molecular Formula: $C_{17}H_{18}O_6$
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: $C_{23}H_{28}O_{11}$
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]

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