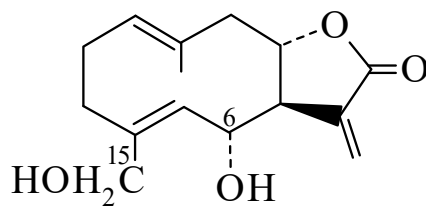




>>Entry Name: 6,15-Dihydroxy-1(10),4,11(13)-germacatrien-12,8-olide



Molecular Formula: C₁₅H₂₀O₄

Molecular Weight: 264.321

Accurate Mass: 264.13616

Percentage Composition: C 68.16%; H 7.63%; O 24.21%

>>Variant: (1(10)*E*,4*Z*,6 α ,8 α)-form

Synonym(s): Artemisiifolin

CAS Registry Number: 26931-87-3

Molecular Formula: C₁₅H₂₀O₄

Molecular Weight: 264.321

Accurate Mass: 264.13616

Percentage Composition: C 68.16%; H 7.63%; O 24.21%

Biological Source: Constit. of *Ambrosia artemisiifolia*, other *Ambrosia* spp. and *Centaurea serides*

Use/Importance: Antineoplastic agent

Physical Description: Cryst. (EtOAc)

Melting Point: Mp 131°

Optical Rotation: $[\alpha]_{\text{D}}^{25} +54.6$ (MeOH)

Calculated Log P Data: Log P -0.48 (calc)

>>Derivative: Di-Ac

Molecular Formula: C₁₉H₂₄O₆

Molecular Weight: 348.395

Accurate Mass: 348.15729

Percentage Composition: C 65.50%; H 6.94%; O 27.55%

Biological Source: Constit. of *Mattfeldanthus nobilis*

Physical Description: Gum

>>Derivative: 6-(2,3-Dihydroxy-2-methylpropanoyl), 15-Ac

Synonym(s): Scabiolide

CAS Registry Number: 20055-57-6

Molecular Formula: C₂₁H₂₈O₈

Molecular Weight: 408.447

Accurate Mass: 408.17842

Percentage Composition: C 61.75%; H 6.91%; O 31.34%

Biological Source: Constit. of *Centaurea scabiosa* and other *Centaurea* spp.

Physical Description: Cryst. (Et₂O)

Melting Point: Mp 118-120°

Optical Rotation: $[\alpha]_{\text{D}}^{20} +101$ (c, 3.7 in CHCl₃)

>>Derivative: 15-(2-Hydroxymethyl-2*E*-butenoyl)

CAS Registry Number: 78516-88-8

Molecular Formula: C₂₀H₂₆O₆

Molecular Weight: 362.422

Accurate Mass: 362.17294

Percentage Composition: C 66.28%; H 7.23%; O 26.49%

Biological Source: Constit. of *Gochnatia discoidea*

Physical Description: Gum