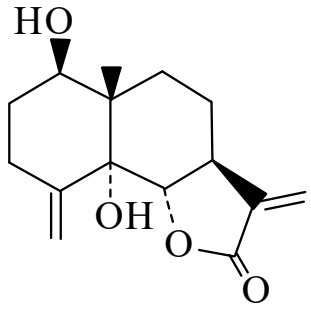
>>**Entry Name: 1,5-Dihydroxy-4(15),11(13)-eudesmadien-12,6-olide**



(1*b*,5*a*,6*a*)-*form*

Molecular Formula: $C_{15}H_{20}O_4$
Molecular Weight: 264.321
Accurate Mass: 264.13616
Percentage Composition: C 68.16%; H 7.63%; O 24.21%

>>**Variant:** (1β,5α,6α)-form
Synonym(s): Tanacetin

CAS Registry Number: 1401-54-3

Molecular Formula: $C_{15}H_{20}O_4$
Molecular Weight: 264.321
Accurate Mass: 264.13616
Percentage Composition: C 68.16%; H 7.63%; O 24.21%
Biological Source: Constit. of *Tanacetum vulgare*
Physical Description: Cryst. ($CHCl_3$/Me_2CO)
Melting Point: Mp 205-206°
Optical Rotation: $[\alpha]_D^{25}$+154 (c, 0.15 in EtOH)

>>**Derivative:** 11α,13-Dihydro
Synonym(s): (11β)-1β,5α-Dihydroxy-4(15)-eudesmen-12,6α-olide. **Arsubin**

CAS Registry Number: 36312-98-8

Molecular Formula: $C_{15}H_{22}O_4$
Molecular Weight: 266.336
Accurate Mass: 266.15181
Percentage Composition: C 67.65%; H 8.33%; O 24.03%
Biological Source: Isol. from *Artemisia fragrans* and *Artemisia transiliensis*
Physical Description: Cryst. (EtOH)
Melting Point: Mp 233-234°
Optical Rotation: $[\alpha]_D^{20}$+217.2 (c, 1 in EtOH)

>>**Derivative:** 11β,13-Dihydro
Synonym(s): (11α)-1β,5α-Dihydroxy-4(15)-eudesmen-12,6α-olide. **Artemin**

CAS Registry Number: 22149-38-8

Molecular Formula: $C_{15}H_{22}O_4$
Molecular Weight: 266.336
Accurate Mass: 266.15181
Percentage Composition: C 67.65%; H 8.33%; O 24.03%
Biological Source: Constit. of *Artemisia* spp.
Physical Description: Cryst. (EtOAc/petrol)
Melting Point: Mp 238-240°
Optical Rotation: $[\alpha]_D$ +167 (c, 0.5 in $CHCl_3$)

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