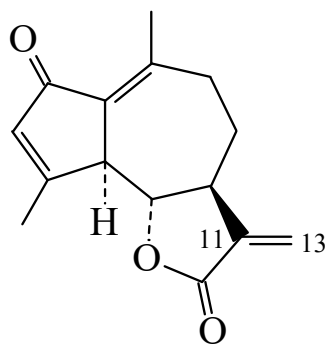




>>Entry Name: 2-Oxo-1(10),3,11(13)-guaiatrien-12,6-olide



CAS Registry Number: 36150-07-9

Molecular Formula: C₁₅H₁₆O₃

Molecular Weight: 244.29

Accurate Mass: 244.109945

Percentage Composition: C 73.75%; H 6.60%; O 19.65%

>>Variant: (5 α ,6 α)-form

Synonym(s): Dehydroleucodin. Lidbeckialactone. Mesatlantin E

Molecular Formula: C₁₅H₁₆O₃

Molecular Weight: 244.29

Accurate Mass: 244.109945

Percentage Composition: C 73.75%; H 6.60%; O 19.65%

Biological Source: Constit. of *Lidbeckia pectinata*, *Pentzia elegans* and *Artemisia tridentata*, *Artemisia mesatlantica*

Physical Description: Cryst. (Et₂O/petrol)

Melting Point: Mp 131°

Optical Rotation: [α]_D +77

>>Derivative: 11 α ,13-Dihydro

Synonym(s): 2-Oxo-1(10),3-guaiadien-12,6 α -olide. Achillin

CAS Registry Number: 5956-04-7

Molecular Formula: C₁₅H₁₈O₃

Molecular Weight: 246.305

Accurate Mass: 246.125595

Percentage Composition: C 73.15%; H 7.37%; O 19.49%

Biological Source: Constit. of *Achillea* spp. and *Artemisia* spp.

Physical Description: Cryst. (C₆H₆/pet.ether)

Melting Point: Mp 144-145°

Optical Rotation: [α]_D²⁹ +160 (c, 1.2 in EtOH)

>>Derivative: 11 β ,13-Dihydro

Synonym(s): Leucodin. Desacetoxymatricarin. Leukodin. Leucomisin. Axillin. Deacetoxymatricarin

CAS Registry Number: 17946-87-1

Molecular Formula: C₁₅H₁₈O₃

Molecular Weight: 246.305

Accurate Mass: 246.125595

Percentage Composition: C 73.15%; H 7.37%; O 19.49%

Biological Source: Constit. of *Artemisia* spp., *Achillea* spp., and *Stevia pilosa*

Physical Description: Prisms (EtOH)

Melting Point: Mp 204-206°

Optical Rotation: [α]_D +58 (c, 1.3 in CHCl₃)

UV: [neutral] $\lambda_{\max}$ 256 () (EtOH) (Berdy)