



Percentage Composition: C 81.77%; H 9.85%; O 8.38%

Biological Source: Constit. of *Acacia linarioides* and *Casuarina equisetifolia*

Physical Description: Cryst.

Melting Point: Mp 104-107°

Optical Rotation: $[\alpha]_D^{25} +160$ (c, 0.005 in C₆H₆). $[\alpha]_D +38.6$ (c, 0.89 in CHCl₃)

UV: [neutral] $\lambda_{\max}$ 290 (ϵ 12000) (CHCl₃) [neutral] $\lambda_{\max}$ 225 (ϵ 6700); 309 (ϵ 9300) (EtOH)

Other Data: Large difference in reported props. between the two isolates

>> **Derivative:** *O*-[3-(4-Hydroxyphenyl)propanoyl]

Synonym(s): 3-Dihydrocoumaroyl- β -amyrin

CAS Registry Number: 243667-89-2

Molecular Formula: C₃₉H₅₈O₃

Molecular Weight: 574.885

Accurate Mass: 574.438595

Percentage Composition: C 81.48%; H 10.17%; O 8.35%

Biological Source: Constit. of *Casuarina equisetifolia*

Physical Description: Oil

Optical Rotation: $[\alpha]_D^{26} +49.5$ (c, 0.65 in CHCl₃)

UV: [neutral] $\lambda_{\max}$ 223 (ϵ 6900); 274 (ϵ 6000) (EtOH)

>> **Derivative:** *O*-(5-Phenyl-2,4-pentadienoyl)

CAS Registry Number: 54303-80-9

Molecular Formula: C₄₁H₅₈O₂

Molecular Weight: 582.908

Accurate Mass: 582.44368

Percentage Composition: C 84.48%; H 10.03%; O 5.49%

Biological Source: Isol. from *Marsdenia pringlei*

>> **Derivative:** Me ether

Synonym(s): 3 β -Methoxy-12-oleanene. **Isosawamilletin**

CAS Registry Number: 14021-26-2

Molecular Formula: C₃₁H₅₂O

Molecular Weight: 440.751

Accurate Mass: 440.401815

Percentage Composition: C 84.48%; H 11.89%; O 3.63%

Biological Source: Constit. of *Cortaderia toetoe*, *Chionchloa*, *Arundo conspicua* and others

Physical Description: Cryst.

Melting Point: Mp 247-248°

Optical Rotation: $[\alpha]_D -92$ (c, 4.8 in CHCl₃)

>> **Derivative:** 3-Ketone

Synonym(s): 12-Oleanen-3-one. β -**Amyrone**. β -Amyrenone. Pulcherrone

CAS Registry Number: 638-97-1

Molecular Formula: C₃₀H₄₈O

Molecular Weight: 424.709

Accurate Mass: 424.370515

Percentage Composition: C 84.84%; H 11.39%; O 3.77%

Biological Source: Constit. of *Mimusops globosa*, *Ilex*, *Quercus* and some other plants

Physical Description: Cryst. (MeOH)

Melting Point: Mp 177-179°

Optical Rotation: $[\alpha]_D +107.2$ (CHCl₃)

>> **Derivative:** 12 α ,13 α -Epoxide, 3-Ac

Synonym(s): 3Acetoxy-12,13-epoxyoleanane