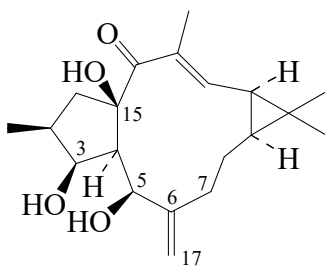




>>Entry Name: Lathyrol



CAS Registry Number: 34420-19-4

Molecular Formula: C₂₀H₃₀O₄

Molecular Weight: 334.455

Accurate Mass: 334.21441

Percentage Composition: C 71.82%; H 9.04%; O 19.13%

Physical Description: Cryst.

Melting Point: Mp 168-169°

Optical Rotation: [α]_D²⁵+101 (c, 1.3 in MeOH)

>>Derivative: 3-Benzoyl, 5,15-di-Ac

Synonym(s): Euphorbia factor L₃

CAS Registry Number: 36008-92-1

Molecular Formula: C₃₁H₃₈O₇

Molecular Weight: 522.637

Accurate Mass: 522.261755

Percentage Composition: C 71.24%; H 7.33%; O 21.43%

Physical Description: Cryst.

Melting Point: Mp 156-158°

UV: [neutral] $\lambda_{\max}$ 229 (ϵ 16400); 275 (ϵ 15300) (MeOH)

>>Derivative: 3-(Phenylacetyl), 5,15-di-Ac

Synonym(s): Deoxyeuphorbia factor L₁

CAS Registry Number: 247099-01-0

Molecular Formula: C₃₂H₄₀O₇

Molecular Weight: 536.664

Accurate Mass: 536.277405

Percentage Composition: C 71.62%; H 7.51%; O 20.87%

Biological Source: Constit. of *Euphorbia pithyusa* ssp. *cupanii*

Physical Description: Powder

Melting Point: Mp 125-127°

Optical Rotation: [α]_D²⁵+195 (c, 0.9 in CHCl₃)

>>Derivative: (3-Pyridinecarbonyl), di-Ac

Molecular Formula: C₃₀H₃₇NO₇

Molecular Weight: 523.625

Accurate Mass: 523.257004

Percentage Composition: C 68.81%; H 7.12%; N 2.67%; O 21.39%

Biological Source: Constit. of *Euphorbia lathyris*

Other Data: Position of esters not established

>>Derivative: 6 α ,17-Epoxyde

Synonym(s): 6,17-Epoxylyathyrol

CAS Registry Number: 28649-60-7

Molecular Formula: C₂₀H₃₀O₅

Molecular Weight: 350.454

Accurate Mass: 350.209325

Percentage Composition: C 68.55%; H 8.63%; O 22.83%

Physical Description: Cryst.

Melting Point: Mp 204-207°