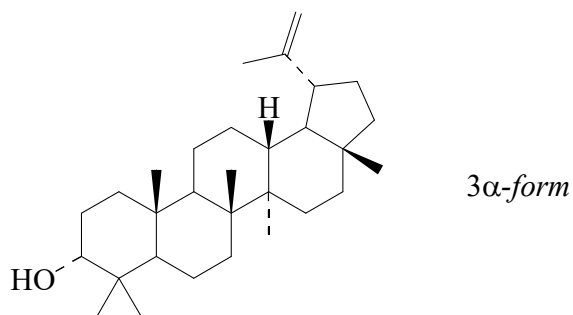




>>Entry Name: 20(29)-Lupen-3-ol
ENTRY UNDER REVIEW



Molecular Formula: C₃₀H₅₀O
Molecular Weight: 426.724
Accurate Mass: 426.386165
Percentage Composition: C 84.44%; H 11.81%; O 3.75%

>>Variant: 3 α -form
Synonym(s): Epilupeol

CAS Registry Number: 4439-99-0

Molecular Formula: C₃₀H₅₀O
Molecular Weight: 426.724
Accurate Mass: 426.386165
Percentage Composition: C 84.44%; H 11.81%; O 3.75%
Biological Source: Constit. of *Bursera* spp., *Glochidion hohenackeri* and other plant spp.
Physical Description: Amorph. or cryst. (Me₂CO)
Melting Point: Mp 202.5° (212-215°)
Optical Rotation: [α]_D +27 (CHCl₃). [α]_D +15 (c, 0.9 in CHCl₃)

>>Derivative: Ac
Synonym(s): Isolupenyl acetate

CAS Registry Number: 6610-54-4

Molecular Formula: C₃₂H₅₂O₂
Molecular Weight: 468.762
Accurate Mass: 468.39673
Percentage Composition: C 81.99%; H 11.18%; O 6.83%
Biological Source: Constit. of *Thevetia peruviana*
Physical Description: Cryst. (CHCl₃/MeOH)
Melting Point: Mp 113-114°
Optical Rotation: [α]_D²² +32.25 (CHCl₃)
UV: [neutral] $\lambda_{\max}$ 215 (log ϵ 4.71) (MeOH)

>>Variant: 3 β -form
Synonym(s): Lupeol. Monogynol B. Fagarasterol. β -Viscol. Cautchicol. Xanthosterin. Clerodol

CAS Registry Number: 545-47-1

Molecular Formula: C₃₀H₅₀O
Molecular Weight: 426.724
Accurate Mass: 426.386165
Percentage Composition: C 84.44%; H 11.81%; O 3.75%
Biological Source: Occurs in many plants, e.g. *Ficus*, *Achras*, *Raucheria* spp. First isol. in 1889 from *Lupinus luteus*. One of the most widespread of the pentacyclic triterpenes
Biological Use/Importance: Antineoplastic agent. Trypsin and chymotrypsin inhibitor
Physical Description: Cryst. (Me₂CO/MeOH aq.)
Melting Point: Mp 215-216°
Optical Rotation: [α]_D +26.4 (CHCl₃)
Calculated Log P Data: Log P 10.51 (uncertain value) (calc)
Sigma: L5632

>>Derivative: O- α -L-Rhamnopyranoside

CAS Registry Number: 86108-21-6