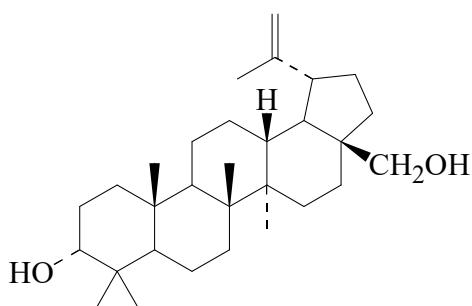




>>Entry Name: 20(29)-Lupene-3,28-diol



3 α -form

Molecular Formula: C₃₀H₅₀O₂

Molecular Weight: 442.724

Accurate Mass: 442.38108

Percentage Composition: C 81.39%; H 11.38%; O 7.23%

Biological Use/Importance: Antineoplastic agent

Calculated Log P Data: Log P 8.53 (uncertain value) (calc)

>>Variant: 3 α -form

Synonym(s): 3-Epibetulin. 3-*epi*-Betulin

CAS Registry Number: 35316-99-5

Molecular Formula: C₃₀H₅₀O₂

Molecular Weight: 442.724

Accurate Mass: 442.38108

Percentage Composition: C 81.39%; H 11.38%; O 7.23%

Biological Source: Constit. of *Canthium dicoccum* and *Picramnia pentandra*

Physical Description: Cryst. (hexane)

Melting Point: Mp 215°

Optical Rotation: [α]_D +68.9

>>Derivative: 28-*O*-Aldehyde

Synonym(s): 3 α -Hydroxy-20(29)-lupen-28-al. 3-Epibetulin aldehyde. 3-*epi*-Betulin aldehyde

CAS Registry Number: 92594-07-5

Molecular Formula: C₃₀H₄₈O₂

Molecular Weight: 440.708

Accurate Mass: 440.36543

Percentage Composition: C 81.76%; H 10.98%; O 7.26%

Biological Source: Isol. from *Quercus suber*

Physical Description: Cryst. (hexane/C₆H₆)

Melting Point: Mp 185-187°

Optical Rotation: [α]_D +4 (c, 1 in CHCl₃)

>>Derivative: 28-Carboxylic acid

>>Variant: 3 β -form

Synonym(s): Betulin. Betulinol (obsol.). Trochol

CAS Registry Number: 473-98-3

Molecular Formula: C₃₀H₅₀O₂

Molecular Weight: 442.724

Accurate Mass: 442.38108

Percentage Composition: C 81.39%; H 11.38%; O 7.23%

Biological Source: Constit. of birch bark. Also from *Trochodendron aralioides*, *Corylus avellana*, *Vicia faba* and many other plants. Isol. as a mixt. of acyl esters from archaeological resins

Physical Description: Cryst.

Melting Point: Mp 251-252°

Optical Rotation: [α]_D¹⁵ +20 (Py)

Other Data: Pharmacol. active isomer

Aldrich: 12376-5

Sigma: B9757