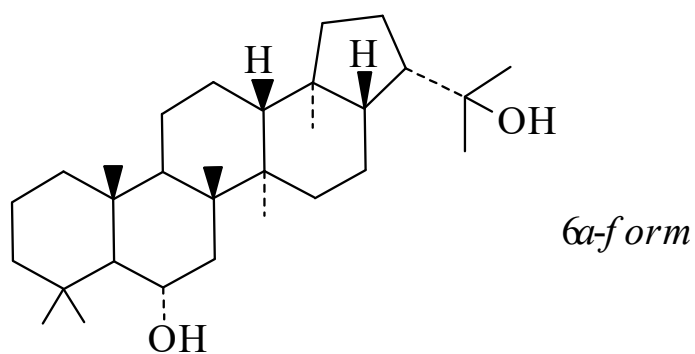




>>Entry Name: 6,22-Hopanediol



Molecular Formula: C₃₀H₅₂O₂

Molecular Weight: 444.74

Accurate Mass: 444.39673

Percentage Composition: C 81.02%; H 11.78%; O 7.19%

>>Variant: 6α-form

Synonym(s): Zeorin

CAS Registry Number: 22570-53-2

Molecular Formula: C₃₀H₅₂O₂

Molecular Weight: 444.74

Accurate Mass: 444.39673

Percentage Composition: C 81.02%; H 11.78%; O 7.19%

Biological Source: Constit. of various lichens, e.g. *Anaptychia*, *Lecanora*, *Parmelia*, *Nephroma*, *Placodium* spp. Also from *Iris missouriensis* roots

Physical Description: Cryst. (Me₂CO or MeOH)

Melting Point: Mp 223-227° (from Me₂CO). Mp 253° (from MeOH)

Optical Rotation: [α]_D +54 (CHCl₃)

Solubility: BERDY SOL: Sol. bases; poorly sol. H₂O

>>Derivative: 6-Ac

Synonym(s): 6α-Acetoxy-22-hopanol. **Zeorin 6-acetate**

CAS Registry Number: 69734-81-2

Molecular Formula: C₃₂H₅₄O₃

Molecular Weight: 486.777

Accurate Mass: 486.407295

Percentage Composition: C 78.96%; H 11.18%; O 9.86%

Biological Source: Constit. of *Physcia aipolia*

Physical Description: Cryst.

Melting Point: Mp 223-225°

Optical Rotation: [α]_D²⁰ +78.1 (c, 0.64 in CHCl₃)

>>Derivative: 6-Ketone

Synonym(s): 22-Hydroxy-6-hopanone. **Zeorinone**

CAS Registry Number: 1750-34-1

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 *Rinodina thiomela*

Physical Description: Cryst. (CH₂Cl₂/petrol)

Melting Point: Mp 255-260°

Optical Rotation: [α]_D +35 (c, 0.57 in CHCl₃)