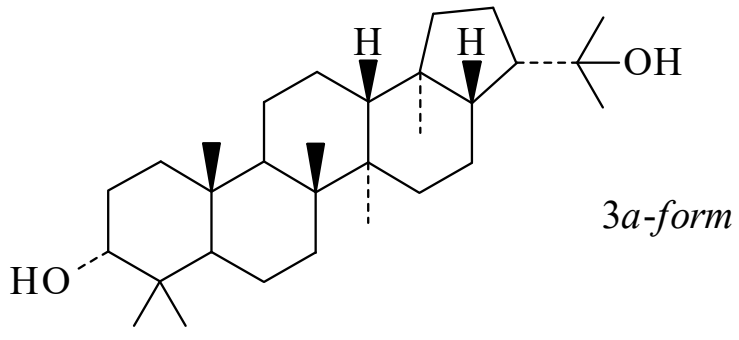
>>**Entry Name: 3,22-Hopanediol**



3a-form

Molecular Formula: $C_{30}H_{52}O_2$
Molecular Weight: 444.74
Accurate Mass: 444.39673
Percentage Composition: C 81.02%; H 11.78%; O 7.19%

>>**Variant:** 3α-form

Molecular Formula: $C_{30}H_{52}O_2$
Molecular Weight: 444.74
Accurate Mass: 444.39673
Percentage Composition: C 81.02%; H 11.78%; O 7.19%
Biological Source: Constit. of *Abies veitchii*
Physical Description: Leaflets (MeOH/$CHCl_3$)
Melting Point: Mp 278-280.5°
Optical Rotation: $[\alpha]_D^{23}$+31 (c, 0.18 in $CHCl_3$)

>>**Variant:** 3β-form

CAS Registry Number: 22149-65-1

Molecular Formula: $C_{30}H_{52}O_2$
Molecular Weight: 444.74
Accurate Mass: 444.39673
Percentage Composition: C 81.02%; H 11.78%; O 7.19%
Biological Source: Constit. of *Castanopsis* spp., *Lithocarpus* spp.
Physical Description: Cryst. ($CHCl_3$/MeOH)
Melting Point: Mp 284-285°
Optical Rotation: $[\alpha]_D^{20}$+53 (c, 0.72 in $CHCl_3$)

>>**Derivative:** 3-Ac

Molecular Formula: $C_{32}H_{54}O_3$
Molecular Weight: 486.777
Accurate Mass: 486.407295
Percentage Composition: C 78.96%; H 11.18%; O 9.86%
Biological Source: Isol. from Dammar resin
Physical Description: Cryst. ($CHCl_3$/MeOH)
Melting Point: Mp 231-232°
Optical Rotation: $[\alpha]_D^{20}$+39 (c, 0.86 in $CHCl_3$)

>>**Derivative:** 3-Ketone
Synonym(s): 22-Hydroxy-3-hopanone. **Hydroxyhopanone**

CAS Registry Number: 1981-81-3

Molecular Formula: $C_{30}H_{50}O_2$
Molecular Weight: 442.724
Accurate Mass: 442.38108
Percentage Composition: C 81.39%; H 11.38%; O 7.23%
Biological Source: Constit. of Dammar resin and other plant sources
Physical Description: Cryst. (Et_2O or EtOH)
Melting Point: Mp 252-256°
Optical Rotation: $[\alpha]_D$ +64 (c, 1.3 in $CHCl_3$)