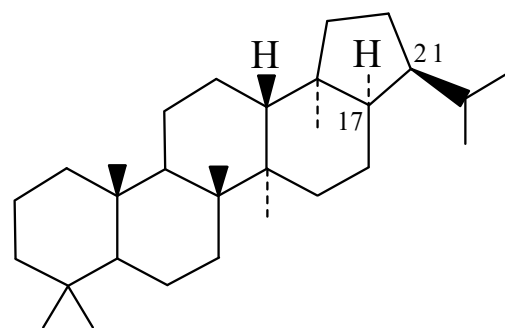




>>Entry Name: Hopane

Synonym(s): *A'*-Neogammacerane, 9Cl



(17 α ,21 α H)-form

Molecular Formula: C₃₀H₅₂

Molecular Weight: 412.741

Accurate Mass: 412.4069

Percentage Composition: C 87.30%; H 12.70%

>>Variant: (17 α ,21 α H)-form

Synonym(s): 17 α -Moretane. 17 α -Zeorinane

CAS Registry Number: 33281-23-1

Molecular Formula: C₃₀H₅₂

Molecular Weight: 412.741

Accurate Mass: 412.4069

Percentage Composition: C 87.30%; H 12.70%

Biological Source: Constit. of oil shales

Physical Description: Cryst. (EtOH/hexane)

Melting Point: Mp 201-202°

Optical Rotation: $[\alpha]_D^{20} +12.2$ (c, 0.164 in CHCl₃)

>>Variant: (17 α ,21 β H)-form

Synonym(s): 17 α -Hopane

CAS Registry Number: 13849-96-2

Molecular Formula: C₃₀H₅₂

Molecular Weight: 412.741

Accurate Mass: 412.4069

Percentage Composition: C 87.30%; H 12.70%

Biological Source: Constit. of Green River shale and petroleums

Physical Description: Cryst. (EtOH/hexane)

Melting Point: Mp 154-155°

>>Variant: (17 β ,21 α H)-form

Synonym(s): 21 α H-Hopane. Moretane. Zeorinane

CAS Registry Number: 1176-44-9

Molecular Formula: C₃₀H₅₂

Molecular Weight: 412.741

Accurate Mass: 412.4069

Percentage Composition: C 87.30%; H 12.70%

Biological Source: Constit. of oil shales

Physical Description: Cryst.

Melting Point: Mp 191-192°

Optical Rotation: $[\alpha]_D^{20} +20.5$ (c, 0.2 in CHCl₃)