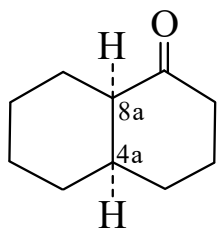




>>Entry Name: Octahydro-1(2*H*)-naphthalenone, 9CI

Synonym(s): 1-Decalone. α -Naphthenone. 1-Oxodecahydronaphthalene



(4*aR*,8*aR*)-*f orm*

CAS Registry Number: 4832-16-0

Molecular Formula: C₁₀H₁₆O

Molecular Weight: 152.236

Accurate Mass: 152.120115

Percentage Composition: C 78.90%; H 10.59%; O 10.51%

Aldrich: 15506-3

>>Variant: (4*aR*,8*aR*)-form

Synonym(s): (–)-*cis*-form

Molecular Formula: C₁₀H₁₆O

Molecular Weight: 152.236

Accurate Mass: 152.120115

Percentage Composition: C 78.90%; H 10.59%; O 10.51%

Physical Description: Oil

Boiling Point: Bp_{0.4} 45°

Optical Rotation: [α]_D –51 (CHCl₃)

>>Variant: (4*aR*,8*aS*)-form

Synonym(s): (–)-*trans*-form

Extra CAS Registry Numbers(s): 21370-71-8

Molecular Formula: C₁₀H₁₆O

Molecular Weight: 152.236

Accurate Mass: 152.120115

Percentage Composition: C 78.90%; H 10.59%; O 10.51%

Physical Description: Oil or cryst.

Melting Point: Mp 43°

Optical Rotation: [α]_D –7 (c, 0.445 in MeOH)

>>Variant: (4*aRS*,8*aRS*)-form

Synonym(s): (±)-*cis*-form

CAS Registry Number: 32166-40-8

Molecular Formula: C₁₀H₁₆O

Molecular Weight: 152.236

Accurate Mass: 152.120115

Percentage Composition: C 78.90%; H 10.59%; O 10.51%

Melting Point: Mp 2°

Boiling Point: Bp₂₀ 126°

>>Derivative: Oxime

Boiling Point: Bp₁₆ 161-165°

>>Derivative: Semicarbazone

Melting Point: Mp 222-223° (182-183°)

>>Derivative: 2,4-Dinitrophenylhydrazone

Melting Point: Mp 176-177°

>>Variant: (4*aRS*,8*aSR*)-form

Synonym(s): (±)-*trans*-form