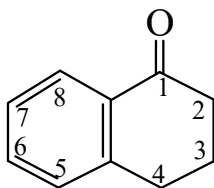




>>Entry Name: 3,4-Dihydro-1(2*H*)-naphthalenone, 9CI

Synonym(s): α -Tetralone. 1-Oxotetrahydronaphthalene



CAS Registry Number: 529-34-0

Molecular Formula: C₁₀H₁₀O

Molecular Weight: 146.188

Accurate Mass: 146.073165

Percentage Composition: C 82.16%; H 6.89%; O 10.94%

Physical Description: Liq.

Melting Point: Mp 8°

Boiling Point: Bp₁₂ 129.4°

Density: d₄¹⁵ 1.099

Hazard & Toxicity: LD₅₀ (rat, orl) 810 mg/kg

Aldrich: T1900-3

Fluka: 87661

Sigma: T8889

>>Derivative: Oxime

CAS Registry Number: 3349-64-2

Molecular Formula: C₁₀H₁₁NO

Molecular Weight: 161.203

Accurate Mass: 161.084064

Percentage Composition: C 74.51%; H 6.88%; N 8.69%; O 9.93%

Physical Description: Cryst. (MeOH aq.)

Melting Point: Mp 103-105°

Rare Chemicals Library: S70249-8

>>Derivative: Dimethylhydrazone

CAS Registry Number: 6045-91-6

Molecular Formula: C₁₂H₁₆N₂

Molecular Weight: 188.272

Accurate Mass: 188.131348

Percentage Composition: C 76.56%; H 8.57%; N 14.88%

Melting Point: Mp 38-40°

Boiling Point: Bp_{0.5} 102-105°

>>Derivative: 2,4-Dinitrophenylhydrazone

CAS Registry Number: 853-95-2

Physical Description: Red cryst.

Melting Point: Mp 253-254°

>>Derivative: Semicarbazone

CAS Registry Number: 56384-70-4

Physical Description: Cryst. (EtOH)

Melting Point: Mp 217°

References: