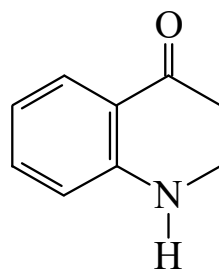




>>Entry Name: 2,3-Dihydro-4(1*H*)-quinolinone, 9CI



CAS Registry Number: 4295-36-7

Molecular Formula: C₉H₉NO

Molecular Weight: 147.176

Accurate Mass: 147.068414

Percentage Composition: C 73.45%; H 6.16%; N 9.52%; O 10.87%

Physical Description: Pale yellow leaflets

Melting Point: Mp 43-44.5°

Boiling Point: Bp_{0.2} 100°

>>Derivative: *N*-Ac

CAS Registry Number: 64142-63-8

Molecular Formula: C₁₁H₁₁NO₂

Molecular Weight: 189.213

Accurate Mass: 189.078979

Percentage Composition: C 69.83%; H 5.86%; N 7.40%; O 16.91%

Physical Description: Prisms

Melting Point: Mp 94° (85°)

Boiling Point: Bp₁₇ 206-210°

>>Derivative: *N*-Me

CAS Registry Number: 1198-15-8

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: Yellow oil

Boiling Point: Bp₈ 185-190°

References:

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Johnson, W.S. *et al.*, *J.A.C.S.*, 1949, **71**, 1901, (*synth*)

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Maitte, P. *et al.*, *J. Het. Chem.*, 1985, **22**, 713, (*synth*, *ir*, *pmr*)

Antus, S. *et al.*, *Annalen*, 1994, 911, (*N*-Ac)