



>>Entry Name: 6-Amino-3,4-dihydro-1(2H)-naphthalenone

Synonym(s): 6-Amino-1-tetralone

CAS Registry Number: 3470-53-9

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. (EtOH aq.)

Melting Point: Mp 129.5-130°

>>Derivative: N-Ac

Molecular Formula: C₁₂H₁₃NO₂

Molecular Weight: 203.24

Accurate Mass: 203.094629

Percentage Composition: C 70.92%; H 6.45%; N 6.89%; O 15.74%

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 124.5-125°

>>Derivative: N-Di-Me

Molecular Formula: C₁₂H₁₅NO

Molecular Weight: 189.257

Accurate Mass: 189.115364

Percentage Composition: C 76.16%; H 7.99%; N 7.40%; O 8.45%

Physical Description: Cryst. (petrol)

Melting Point: Mp 73-74°

References:

Allinger, N.L. *et al.*, *J.O.C.*, 1962, **27**, 70; 1965, **30**, 2165, (*synth, uv*)

Biggs, D.F. *et al.*, *J. Med. Chem.*, 1976, **19**, 472, (*synth, pmr*)

Brown, A.T. *et al.*, *Chem. Ind. (London)*, 1981, 248, (*deriv, pmr*)