



>>Entry Name: 5-Amino-2-naphthol

Synonym(s): 5-Amino-2-naphthalenol, 9Cl. 6-Hydroxy- α -naphthylamine

CAS Registry Number: 86-97-5

Molecular Formula: C₁₀H₉NO

Molecular Weight: 159.187

Accurate Mass: 159.068414

Percentage Composition: C 75.45%; H 5.70%; N 8.80%; O 10.05%

Physical Description: Needles (H₂O or MeOH)

Melting Point: Mp 190°

>>Derivative: N-Ac

Molecular Formula: C₁₂H₁₁NO₂

Molecular Weight: 201.224

Accurate Mass: 201.078979

Percentage Composition: C 71.63%; H 5.51%; N 6.96%; O 15.90%

Physical Description: Needles (EtOH aq.)

Melting Point: Mp 215-216°

Solubility: Sol. hot H₂O

>>Derivative: Me ether

Synonym(s): 6-Methoxy-1-naphthylamine. 1-Amino-6-methoxynaphthalene

CAS Registry Number: 5302-77-2

Molecular Formula: C₁₁H₁₁NO

Molecular Weight: 173.214

Accurate Mass: 173.084064

Percentage Composition: C 76.28%; H 6.40%; N 8.09%; O 9.24%

Physical Description: Needles (petrol or MeOH)

Melting Point: Mp 74° (64°)

>>Derivative: Isopropyl ether

CAS Registry Number: 147034-12-6

Molecular Formula: C₁₃H₁₅NO

Molecular Weight: 201.268

Accurate Mass: 201.115364

Percentage Composition: C 77.58%; H 7.51%; N 6.96%; O 7.95%

Physical Description: Cryst. (heptane)

Melting Point: Mp 71°

References:

Brown, W.F. *et al.*, *J.A.C.S.*, 1929, **51**, 1767, (*synth*)

James, P.M. *et al.*, *J.C.S.*, 1951, 3418, (*synth*)

Janin, Y.L. *et al.*, *Synthesis*, 1993, 57, (*ethers*)