



>>Entry Name: **3-Amino-2-naphthol**

Synonym(s): 3-Amino-2-naphthalenol, 9Cl. 3-Hydroxy- β -naphthylamine

CAS Registry Number: 5417-63-0

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%

Use/Importance: Dyestuffs intermediate

Physical Description: Needles (H₂O)

Melting Point: Mp 234°

Aldrich: 16426-7

>>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: Prisms (EtOH)

Melting Point: Mp 244°

>>Derivative: Me ether

Synonym(s): 2-Amino-3-methoxynaphthalene

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: Plates (MeOH)

Melting Point: Mp 109°

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **2**, 554A, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 1253A, (*ir*)

Friedländer, P. *et al.*, *Ber.*, 1894, **27**, 763, (*synth*)

Fr. Pat., 1929, 645 919; *CA*, 1929, **23**, 2304, (*synth*)

U.K. Pat., 1933, 379 862; *CA*, 1933, **27**, 4049, (*synth*)