



>>Entry Name: 4-Chloro-1-naphthol

Synonym(s): 4-Chloro-1-naphthalenol, 9Cl. 4-Chloro-1-hydroxynaphthalene

CAS Registry Number: 604-44-4

Molecular Formula: C<sub>10</sub>H<sub>7</sub>ClO

Molecular Weight: 178.617

Accurate Mass: 178.018542

Percentage Composition: C 67.24%; H 3.95%; Cl 19.85%; O 8.96%

Physical Description: Needles (CHCl<sub>3</sub> or EtOH aq.)

Melting Point: Mp 116-117°. Mp 120-121 subl.°

pKa Value: pK<sub>a1</sub> 8.86 (25°)

Aldrich: 31740-3

Fluka: 25330

Sigma: C8890

>>Derivative: Ac

CAS Registry Number: 53422-20-1

Molecular Formula: C<sub>12</sub>H<sub>9</sub>ClO<sub>2</sub>

Molecular Weight: 220.655

Accurate Mass: 220.029107

Percentage Composition: C 65.32%; H 4.11%; Cl 16.07%; O 14.50%

Physical Description: Cryst. (petrol)

Melting Point: Mp 44°

References:

*Aldrich Library of 13C and 1H FT NMR Spectra*, 1992, **2**, 308B, (*nmr*)

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Reverdin, F. *et al.*, *Ber.*, 1895, **28**, 3052

Lesser, R. *et al.*, *Ber.*, 1923, **56**, 972, (*synth*)

*Fr. Pat.*, 1937, 807 536; *CA*, **31**, 5383

Airan, J.W. *et al.*, *CA*, 1943, **37**, 633, (*synth*)

Buu-Hoï, Ng.Ph., *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1954, **73**, 197, (*synth*)