



>>Entry Name: 2,4-Dichloro-1-naphthol

Synonym(s): 2,4-Dichloro-1-naphthalenol, 9Cl

CAS Registry Number: 2050-76-2

Molecular Formula: C<sub>10</sub>H<sub>6</sub>Cl<sub>2</sub>O

Molecular Weight: 213.062

Accurate Mass: 211.979569

Percentage Composition: C 56.37%; H 2.84%; Cl 33.28%; O 7.51%

Physical Description: Needles (EtOH or C<sub>6</sub>H<sub>6</sub>), powder (petrol)

Melting Point: Mp 107-108°

Other Data: Dec. at 180°

Aldrich: 25197-6

Sigma: D1273

>>Derivative: Ac

Molecular Formula: C<sub>12</sub>H<sub>8</sub>Cl<sub>2</sub>O<sub>2</sub>

Molecular Weight: 255.099

Accurate Mass: 253.990134

Percentage Composition: C 56.50%; H 3.16%; Cl 27.80%; O 12.54%

Melting Point: Mp 74-76°

>>Derivative: Me ether

Synonym(s): 2,4-Dichloro-1-methoxynaphthalene

Molecular Formula: C<sub>11</sub>H<sub>8</sub>Cl<sub>2</sub>O

Molecular Weight: 227.089

Accurate Mass: 225.995219

Percentage Composition: C 58.18%; H 3.55%; Cl 31.22%; O 7.05%

Physical Description: Needles (EtOH)

Melting Point: Mp 58°

#### References:

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

*Aldrich Library of FT-IR Spectra*, 1st edn., 1985, **1**, 1110A, (*ir*)

Moszew, J. *et al.*, *CA*, 1967, **67**, 2925n, (*synth*)

de la Mare, P.B. *et al.*, *J.C.S.(C)*, 1968, 648, (*synth*)

Crecely, R.W. *et al.*, *J. Magn. Reson.*, 1970, **3**, 103, (*pmr*)