



>>Entry Name: 2-Chloronaphthalene, 9Cl

Synonym(s): β -Chloronaphthalene

CAS Registry Number: 91-58-7

Extra CAS Registry Numbers(s): 25586-43-0

Molecular Formula: C₁₀H₇Cl

Molecular Weight: 162.618

Accurate Mass: 162.023627

Percentage Composition: C 73.86%; H 4.34%; Cl 21.80%

Physical Description: Leaflets (EtOH aq.)

Melting Point: Mp 61° (59.5°, 56°)

Boiling Point: Bp 256°. Bp 264-266°. Bp₁₁ 119.6-119.8°

Solubility: Sol. EtOH

Other Data: Steam-volatile

Hazard & Toxicity: LD₅₀ (rat, orl) 2078 mg/kg

Supelco: R43-0200

>>Derivative: Picrate

CAS Registry Number: 30365-96-9

Physical Description: Yellow needles

Melting Point: Mp 81.5°

References:

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McLafferty, F.W., *Anal. Chem.*, 1962, **34**, 2, (*ms*)

Brackman, W. *et al.*, *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1966, **85**, 857, (*synth*)

Lisitsyn, V.N. *et al.*, *Zh. Org. Khim.*, 1968, **4**, 1086, (*uv*)

Michaelian, K.H. *et al.*, *Appl. Spectrosc.*, 1973, **27**, 13, (*ir, Raman*)

Ludger, E., *J. Magn. Reson.*, 1975, **20**, 544, (*cmr*)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, CJA000