



>>Entry Name: **2,3-Dimethylnaphthalene**, 9CI

CAS Registry Number: 581-40-8

Extra CAS Registry Numbers(s): 28804-88-8

Structure by analogy with 1,2-Dimethylnaphthalene, [FNV53-G](#)

Molecular Formula: C₁₂H₁₂

Molecular Weight: 156.227

Accurate Mass: 156.0939

Percentage Composition: C 92.26%; H 7.74%

Source/Synthesis: Occurs in coal tar and petroleum

Physical Description: Leaflets (EtOH)

Melting Point: Mp 104-104.5°

Boiling Point: Bp 265-266°

Other Data: Steam-volatile. Subl.

Aldrich: D17080-1

Fluka: 40830

Rare Chemicals Library: S29517-5

>>Derivative: Picrate

Physical Description: Yellow needles (EtOH)

Melting Point: Mp 130°

>>Derivative: 1,3,5-Trinitrobenzene complex

Physical Description: Dark-yellow needles

Melting Point: Mp 137-138°

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **2**, 44B, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 957D, (*ir*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 880C, (*ir*)

Schneider, A., *J.A.C.S.*, 1954, **76**, 4938

Adv. Chem. Ser., 1955, **15**, 215, (*props*)

Godfrey, R., *J.C.S. Perkin 2*, 1978, 1019, (*pmr*)