



>>Entry Name: 2,6-Dimethylnaphthalene, 9CI

CAS Registry Number: 581-42-0

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: Plates (EtOH)

Melting Point: Mp 110-111°

Boiling Point: Bp 261-262°. Bp₁₀ 123°

Aldrich: 12653-5

Fluka: 40835

>>Derivative: Picrate

Physical Description: Orange-yellow needles (EtOH)

Melting Point: Mp 142-143°

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

Physical Description: Dark-yellow needles

Melting Point: Mp 154-155.5°

References:

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

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 958D, (*ir*)

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

Weissgerber, R. *et al.*, *Ber.*, 1919, **52**, 346

Adv. Chem. Ser., 1955, **15**, 216, (*props*)

Kochetkov, N.K. *et al.*, *Dokl. Akad. Nauk SSSR*, 1955, **104**, 422; *CA*, **50**, 11999, (*synth*)

Dalling, D.K. *et al.*, *J.A.C.S.*, 1977, **99**, 7142, (*cmr*)

Sepiol, J., *Synthesis*, 1983, 559, (*synth, ms, ir, pmr*)