



>>Entry Name: 1,5-Dimethylnaphthalene, 9CI

CAS Registry Number: 571-61-9

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

Physical Description: Cryst. (EtOH)

Melting Point: Mp 82°

Boiling Point: Bp 265-265.5°

Other Data: Steam-volatile. Subl.

Aldrich: 25132-1

Fluka: 40800

>>Derivative: Picrate

Physical Description: Yellow needles

Melting Point: Mp 140°

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

Melting Point: Mp 158°

References:

- Aldrich Library of FT-IR Spectra, 1st edn.*, 1985, **1**, 958B, (*ir*)
Aldrich Library of ¹³C and ¹H FT NMR Spectra, 1992, **2**, 43B, (*nmr*)
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Cocker, W. *et al.*, *J.C.S.*, 1953, 2355
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Kim, J.B. *et al.*, *Spectrochim. Acta A*, 1968, **24**, 792, (*pmr*)
Ferraris, G. *et al.*, *J.C.S. Perkin 2*, 1972, 1628, (*cryst struct*)
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