>>**Entry Name: 1,3-Dimethylnaphthalene,** 9Cl

CAS Registry Number: 575-41-7
Extra CAS Registry Numbers(s): 28804-88-8
Structure by analogy with 1,2-Dimethylnaphthalene, FNV53-G

Molecular Formula: $C_{12}H_{12}$
Molecular Weight: 156.227
Accurate Mass: 156.0939
Percentage Composition: C 92.26%; H 7.74%
Source/Synthesis: Occurs in gas oil
Physical Description: Liq.
Melting Point: Mp –10°
Boiling Point: Bp 265°. Bp_1 107°
Density: d_4^{20}1.014
Refractive Index: n_D^{20} 1.6090

Aldrich: D17020-8
Fluka: 40780

>>**Derivative:** Picrate
Physical Description: Orange needles (MeOH)
Melting Point: Mp 118°

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

Melting Point: Mp 134-136°

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **2**, 42C, *(nmr)*
Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 957C, *(ir)*
Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 879B, *(ir)*
Kloetzel, M.C.*, J.A.C.S.*, 1940, **62**, 1708
Adv. Chem. Ser., 1955, **15**, 209, *(**props**)*
Balaban, A.T. *et al.*, *Chem. Ind. (London)*, 1967, 404, *(synth)*
Dalling, D.K. *et al.*, *J.A.C.S.*, 1977, **99**, 7142, *(cmr)*