



>>Entry Name: **9,10-Dihydrophenanthrene**, 9CI

Synonym(s): Phenanthrane

CAS Registry Number: 776-35-2

Extra CAS Registry Numbers(s): 26856-35-9

Structure by analogy with 1,2-Dihydrophenanthrene, [DTH94-V](#)

Molecular Formula: C₁₄H₁₂

Molecular Weight: 180.249

Accurate Mass: 180.0939

Percentage Composition: C 93.29%; H 6.71%

Physical Description: Needles (MeOH)

Melting Point: Mp 34.5-35°

Boiling Point: Bp₂₅ 183-184°

Aldrich: D10600-3

Fluka: 37349

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **2**, 31C, (*nmr*)

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Bowden, B.F. *et al.*, *Aust. J. Chem.*, 1975, **28**, 65, (*synth*)

Tajiri, A. *et al.*, *Chem. Lett.*, 1975, 1021, (*uv*)

Hites, R.A. *et al.*, *Anal. Chem.*, 1985, **57**, 1314, (*ms*)

Pugmire, R.J. *et al.*, *J.O.C.*, 1985, **50**, 3380, (*cmr*)

Cosmo, R. *et al.*, *Aust. J. Chem.*, 1987, **40**, 35, (*synth, pmr*)

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