



>>Entry Name: 9,10-Diphenylanthracene

CAS Registry Number: 1499-10-1

Structure by analogy with 1,4-Diphenylanthracene, [FPC42-Z](#)

Molecular Formula: C₂₆H₁₈

Molecular Weight: 330.428

Accurate Mass: 330.14085

Percentage Composition: C 94.51%; H 5.49%

Use/Importance: Fluorescence standard

Physical Description: V. pale yellow prisms (AcOH or C₆H₆)

Melting Point: Mp 246-248°

Other Data: Gives yellow fluorescent solns in org. solvents

Aldrich: D20500-1

Fluka: 42785

Rare Chemicals Library: S11634-3

Sigma: D3519

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 963D, (*ir*)

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **2**, 51C, (*nmr*)

Ingold, C.K. *et al.*, *J.C.S.*, 1926, 3080, (*synth*)

Beckwith, A.L.J. *et al.*, *J.C.S.*, 1958, 171-175, (*synth*)

Hamal, S. *et al.*, *J. Phys. Chem.*, 1983, **87**, 83-89, (*uv, fluorescence*)

Hoffman, R.E. *et al.*, *J.C.S. Perkin 2*, 1996, 1225, (*pmr, cmr*)