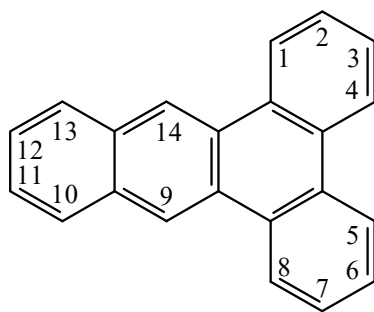




>>Entry Name: Benzo[*b*]triphenylene, 9CI

Synonym(s): Dibenz[*a,c*]anthracene. 1,2:3,4-Dibenzanthracene



CAS Registry Number: 215-58-7

Molecular Formula: C₂₂H₁₄

Molecular Weight: 278.353

Accurate Mass: 278.10955

Percentage Composition: C 94.93%; H 5.07%

Physical Description: Needles (EtOH or AcOH)

Melting Point: Mp 205°

Hazard & Toxicity: Weak exp. carcinogen on mouse skin

Aldrich: D3120-6

Fluka: 33528

Sigma: D9127

>>Derivative: Picrate

Physical Description: Red needles

Melting Point: Mp 208°

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **2**, 57B, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 968D, (*ir*)

Bachman, W.E., *J.A.C.S.*, 1934, **56**, 1363

Buu-Hoï, Ng.Ph. *et al.*, *J.C.S.*, 1960, 2845, (*synth*)

Rachman, A. *et al.*, *Chem. Ind. (London)*, 1971, 673, (*synth, uv*)

IARC Monog., 1983, **32**, 289; *Suppl.* 7, 61, (*rev, tox*)

Minsky, A. *et al.*, *Synthesis*, 1983, 497, (*synth*)

Harvey, R.G., *Polycyclic Aromatic Hydrocarbons: Chemistry and Carcinogenicity*, Cambridge University Press, 1991, 189, (*rev*)

Fitzgerald, J.J. *et al.*, *J.O.C.*, 1992, **57**, 7122, (*synth, pmr*)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials, 8th edn.*, Van Nostrand Reinhold, 1992, BDH750