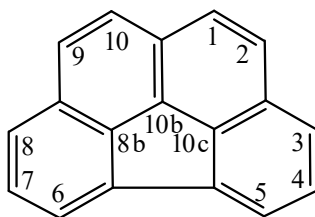




>>Entry Name: Benzo[ghi]fluoranthene

Synonym(s): Benzo[mno]fluoranthene. 7,10-Benzofluoranthene



CAS Registry Number: 203-12-3

Molecular Formula: C₁₈H₁₀

Molecular Weight: 226.277

Accurate Mass: 226.07825

Percentage Composition: C 95.55%; H 4.45%

Physical Description: Yellow needles with greenish-yellow fluor. (petrol)

Melting Point: Mp 150-151° (147-149°)

Other Data: Blue fluor. in soln.

Hazard & Toxicity: Mutagenic props.

>>Derivative: Dipicrate

Physical Description: Golden-yellow needles (EtOH)

Melting Point: Mp 205-210 dec.°

References:

Campbell, N. *et al.*, *J.C.S.*, 1952, **32**, 81, (*synth*)

Kruber, O. *et al.*, *Chem. Ber.*, 1954, **87**, 1895, (*uv*)

Ehrlich, H.W. *et al.*, *Acta Cryst.*, 1956, **9**, 602, (*cryst struct*)

Heffernan, M.L. *et al.*, *Aust. J. Chem.*, 1967, **20**, 584, (*pmr*)

Crombie, D.A. *et al.*, *J.C.S.(C)*, 1969, 2489, (*synth*)

Studt, P. *et al.*, *Annalen*, 1983, 519, (*synth*)

IARC Monog., 1983, **32**, 171; *Suppl.* 7, 58, (*rev, tox*)

Chang, H.-F. *et al.*, *J.O.C.*, 1999, **64**, 9051-9056, (*synth, pmr, cmr*)