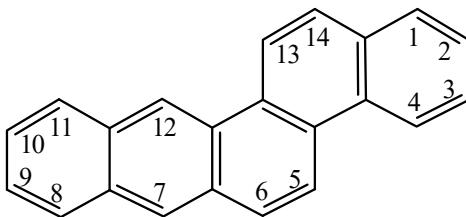




>>Entry Name: Benzo[*b*]chrysene

Synonym(s): 1,2:6,7-Dibenzophenanthrene. Naphth[2,1-*a*]anthracene. 1,2-(2',3'-Naphtha)phenanthrene. 3,4-Benzotetraphene



CAS Registry Number: 214-17-5

Molecular Formula: C₂₂H₁₄

Molecular Weight: 278.353

Accurate Mass: 278.10955

Percentage Composition: C 94.93%; H 5.07%

Physical Description: Pale-yellow leaflets (C₆H₆)

Melting Point: Mp 292-294°

Hazard & Toxicity: Exp. neoplastic agent, limited carcinogenicity data

References:

Clar, E., *Ber.*, 1929, **62**, 1574, (*synth*)

Cook, J.W. *et al.*, *J.C.S.*, 1944, 329, (*synth*)

Clar, E. *et al.*, *J.A.C.S.*, 1952, **74**, 6235, (*uv*)

Phillips, D.D., *J.A.C.S.*, 1953, **75**, 3223, (*synth*)

Harvey, R.G., *Polycyclic Aromatic Hydrocarbons: Chemistry and Carcinogenicity*, Cambridge University Press, 1991, 197, (*rev*)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, BCG500