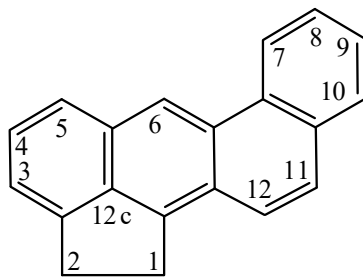




>>Entry Name: Cholanthrene, 8Cl

Synonym(s): 1,2-Dihydrobenz[*j*]aceanthrylene, 9Cl



CAS Registry Number: 479-23-2

Molecular Formula: C₂₀H₁₄

Molecular Weight: 254.331

Accurate Mass: 254.10955

Percentage Composition: C 94.45%; H 5.55%

Physical Description: Pale-yellow leaflets (C₆H₆/EtOH)

Melting Point: Mp 170-171°

Hazard & Toxicity: Potent carcinogenic activity on mouse skin

>>Derivative: Picrate

Physical Description: Purple-black needles (C₆H₆)

Melting Point: Mp 167-168°

References:

Cook, J.W. *et al.*, *J.C.S.*, 1935, 667; 770, (*synth*)

Fieser, L.F. *et al.*, *J.A.C.S.*, 1938, **60**, 940, (*uv*)

Bruce, W.F., *J.A.C.S.*, 1941, **63**, 301

Batterham, T.J. *et al.*, *Aust. J. Chem.*, 1965, **18**, 1959, (*pmr*)

Harvey, R.G. *et al.*, *J.O.C.*, 1987, **52**, 283, (*synth*, *pmr*, *biochem*)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, CMC000