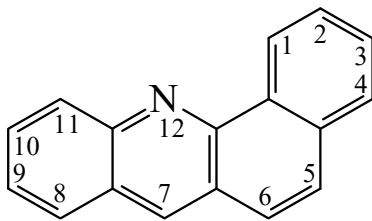




>>Entry Name: Benz[c]acridine, 9Cl, 8Cl

Synonym(s): 1,2-Benzacridine. α -Chrysidine. α -Naphthacridine. α -Phenonaphthacridine. 2,1-Naphthacridine. 12-Azabenz[*a*]anthracene



CAS Registry Number: 225-51-4

Molecular Formula: C₁₇H₁₁N

Molecular Weight: 229.281

Accurate Mass: 229.089149

Percentage Composition: C 89.06%; H 4.84%; N 6.11%

Source/Synthesis: Air pollutant

Physical Description: Brilliant-yellow needles (C₆H₆/petrol)

Melting Point: Mp 108°

Other Data: Fluor. soln.

Hazard & Toxicity: Exp. neoplastigenic data

References:

Ullmann, F. *et al.*, *Annalen*, 1907, **355**, 312, (*synth*)

Waters, W.A. *et al.*, *J.C.S.*, 1959, 2082, (*synth*)

Sawicki, E. *et al.*, *Anal. Chim. Acta*, 1964, **31**, 359, (*uv*)

Martin, R.H. *et al.*, *Tetrahedron, Suppl.*, part I, 1966, 181, (*pmr*)

Robinson, D.A., *Chem. Heterocycl. Compd.*, 1973, **9**, 529, (*rev*)

IARC Monog., 1983, **32**, 129; *Suppl.* 7, 58, (*rev, tox*)

Motohashi, N. *et al.*, *Org. Prep. Proced. Int.*, 1993, **25**, 259, (*rev, synth*)

Ray, J.K. *et al.*, *Acta Cryst. C*, 1996, **52**, 1813, (*cryst struct, tetrahydro*)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, BAW750