



>>Entry Name: 3-Methylchrysene, 9Cl

CAS Registry Number: 3351-31-3

Extra CAS Registry Numbers(s): 41637-90-5

Molecular Formula: C₁₉H₁₄

Molecular Weight: 242.32

Accurate Mass: 242.10955

Percentage Composition: C 94.18%; H 5.82%

Source/Synthesis: Constit. of tobacco smoke

Melting Point: Mp 173-174°

Hazard & Toxicity: Exp. neoplastic agent. Potent tumour initiating activity

References:

Peters, D., *J.C.S.*, 1957, 646; 4182, (*uv*)

Ansell, M.F. *et al.*, *J.C.S.*, 1961, 201, (*synth*)

Leznoff, C.C. *et al.*, *Can. J. Chem.*, 1972, **50**, 528, (*synth, uv, pmr*)

Hecht, S.S. *et al.*, *J. Natl. Cancer Inst.*, 1974, **53**, 1121, (*synth, chromatog, tox*)

Hoffmann, D. *et al.*, *Science (Washington, D.C.)*, 1974, **183**, 215, (*tox*)

Severson, R.F. *et al.*, *Anal. Chem.*, 1976, **48**, 1866, (*glc*)

IARC Monog., 1983, **32**, 381; *Suppl.* 7, 66, (*rev, tox*)

Karatsu, T. *et al.*, *Bull. Chem. Soc. Jpn.*, 1991, **64**, 3355, (*synth*)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, MIN000