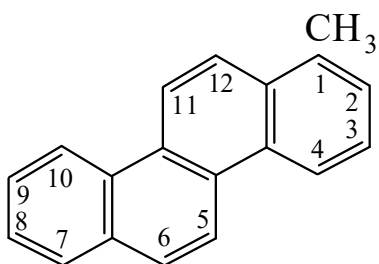




>>Entry Name: 1-Methylchrysene, 9CI



CAS Registry Number: 3351-28-8

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 and mineral oils

Physical Description: Leaflets (hexane, C₆H₆ or toluene)

Melting Point: Mp 247-249°. Mp 254-255° (*in vacuo*)

Hazard & Toxicity: Moderate tumour initiating activity

References:

Bachmann, W.E. *et al.*, *J.A.C.S.*, 1943, **65**, 2314, (*synth*)

Ansell, M.F. *et al.*, *J.C.S.*, 1956, 1238, (*synth*)

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

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**, 379; *Suppl. 7*, 66, (*rev, tox*)

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