



>>Entry Name: 6-Methylchrysene, 9CI

CAS Registry Number: 1705-85-7

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: Found in tobacco smoke

Physical Description: Fluor. needles (EtOAc/EtOH)

Melting Point: Mp 161-162°

Hazard & Toxicity: Mod. tumour initiating activity

References:

Fieser, L.F. *et al.*, *J.A.C.S.*, 1939, **61**, 2138, (*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*)

Lee-Ruff, E. *et al.*, *Can. J. Chem.*, 1982, **60**, 154, (*synth*)

IARC Monog., 1983, **32**, 384; *Suppl.* 7, 66, (*rev, tox*)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, MIN750