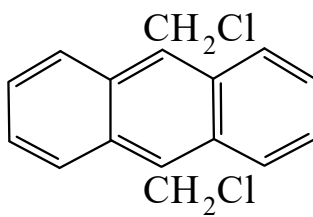




>>Entry Name: 9,10-Bis(chloromethyl)anthracene



CAS Registry Number: 10387-13-0

Molecular Formula: C₁₆H₁₂Cl₂

Molecular Weight: 275.176

Accurate Mass: 274.031604

Percentage Composition: C 69.84%; H 4.40%; Cl 25.77%

Use/Importance: Crosslinking agent for polystyrene

Physical Description: Cryst. (xylene), yellow blades (toluene)

Melting Point: Mp 258-260 dec., 280°

Other Data: Condensation polymers with aromatic compds. have been synth.

Hazard & Toxicity: Severe skin irritant. Exp. neoplastigenic data

Rare Chemicals Library: S1743-5

References:

Miller, M.W. *et al.*, *J.A.C.S.*, 1955, **77**, 2845, (*synth*)

Golden, J.H., *J.C.S.*, 1961, 3741, (*synth*)

Gabe, E.J. *et al.*, *Acta Cryst. B*, 1971, **27**, 1925, (*cryst struct*)

Montaudo, G. *et al.*, *J. Polym. Sci., Part A-I*, 1971, **9**, 3627, (*condensation polymers*)

Krakovyak, M.G. *et al.*, *Vysokomol. Soedin., Ser. A*, 1984, **26**, 2071; *CA*, **101**, 211853x, (*crosslinking*)

Cloniger, M.J. *et al.*, *J.O.C.*, 1998, **63**, 6153-6159, (*synth, pmr, cmr*)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, BIJ750