>>**Entry Name: 1,4-Bis(chloromethyl)benzene,** 9Cl
Synonym(s): α,α'-Dichloro-*p*-xylene, 8Cl. *p*-Xylylene dichloride

CAS Registry Number: 623-25-6

Molecular Formula: $C_8H_8Cl_2$
Molecular Weight: 175.057
Accurate Mass: 174.000304
Percentage Composition: C 54.89%; H 4.61%; Cl 40.50%
Use/Importance: Crosslinking agent for polystyrene
Physical Description: Platelets (hexane or EtOH)
Melting Point: Mp 104.1-104.3° (100°)
Boiling Point: Bp 240-245° dec.. Bp_{12} 135°
Other Data: Undergoes catalytic condensation polym. to give poly(*p*-xylylidene)
Hazard & Toxicity: Eye and skin irritant. LD_{50} (rat, orl) 1780 mg/kg

Aldrich: 10574-0
Fluka: 36586

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 993A, *(ir)*
Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 911C, *(ir)*
Aldrich Library of NMR Spectra, 2nd edn., 1983, **1**, 798B, *(nmr)*
Quelet, R.*, Bull. Soc. Chim. Fr.*, 1933, **53**, 222
Kulka, M.*, Can. J. Res., Sect. B*, 1945, **23**, 106, *(synth)*
Farthing, A.C.*, J.C.S.*, 1953, 3261
Errede, L.A. *et al.*, *J.A.C.S.*, 1960, **82**, 463
Hoyt, J.M. *et al.*, *Macromol. Synth.*, 1968, **3**, 122, *(polym)*
Anderson, S.N. *et al.*, *J.C.S. Perkin 2*, 1972, 311, *(pmr)*
Tsuchida, E. *et al.*, *Makromol. Chem.*, 1972, **151**, 207, *(synth)*
Yamazaki, Y. *et al.*, *Polym. J. (Tokyo)*, 1983, **15**, 905, *(polym)*
Lewis, R.J.*, Sax's Dangerous Properties of Industrial Materials, 8th edn., Van Nostrand Reinhold*, 1992, DGP600