



>>Entry Name: 1-Chloro-3-vinylbenzene

Synonym(s): 1-Chloro-3-ethenylbenzene, 9Cl. *m*-Chlorostyrene, 8Cl. (3-Chlorophenyl)ethylene

CAS Registry Number: 2039-85-2

Extra CAS Registry Numbers(s): 1331-28-8

Structure by analogy with 1-Chloro-2-vinylbenzene, [DXB17-Y](#)

Molecular Formula: C₈H₇Cl

Molecular Weight: 138.596

Accurate Mass: 138.023627

Percentage Composition: C 69.33%; H 5.09%; Cl 25.58%

Boiling Point: Bp₁₀ 57.5-57.8°

Solubility: Insol. H₂O; sol. EtOH, Et₂O

Density: d²⁰ 1.1168

Refractive Index: n_D²⁰ 1.5630

Other Data: Undergoes radical polym. Q/e values for polym., Q 2.46, e −0.90

Aldrich: C7100-9

Sigma: C8298

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **2**, 139B, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 1018C, (*ir*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 951A, (*ir*)

Brooks, L.A., *J.A.C.S.*, 1944, **66**, 1295

Walling, C., *J.A.C.S.*, 1947, **69**, 852

Burnett, G.M. *et al.*, *Eur. Polym. J.*, 1966, **2**, 329, (*polym, kinetics*)

Greenley, R.Z., *J. Macromol. Sci., Chem., Part A*, 1980, **14**, 427, (*Q/e values*)