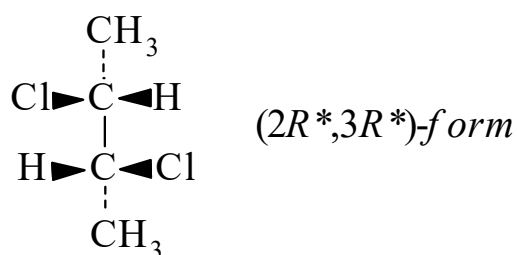




>>Entry Name: 2,3-Dichlorobutane, 9Cl



CAS Registry Number: 7581-97-7

Molecular Formula: C₄H₈Cl₂

Molecular Weight: 127.013

Accurate Mass: 126.000304

Percentage Composition: C 37.83%; H 6.35%; Cl 55.83%

Aldrich: D5940-2

>>Variant: (2*R**,3*R**)-form

Synonym(s): (–)-form

Molecular Formula: C₄H₈Cl₂

Molecular Weight: 127.013

Accurate Mass: 126.000304

Percentage Composition: C 37.83%; H 6.35%; Cl 55.83%

Physical Description: Liq.

Boiling Point: Bp 113-114°. Bp₈₀ 53-54°

>>Variant: (2*R**S*,3*R**S*)-form

Synonym(s): (±)-form

CAS Registry Number: 2211-67-8

Molecular Formula: C₄H₈Cl₂

Molecular Weight: 127.013

Accurate Mass: 126.000304

Percentage Composition: C 37.83%; H 6.35%; Cl 55.83%

Physical Description: Liq.

Boiling Point: Bp 116-118°

Hazard & Toxicity: Fl. p. 90° (oc)

>>Variant: (2*R**S*,3*S**R*)-form

Synonym(s): *meso*-form

CAS Registry Number: 4028-56-2

Molecular Formula: C₄H₈Cl₂

Molecular Weight: 127.013

Accurate Mass: 126.000304

Percentage Composition: C 37.83%; H 6.35%; Cl 55.83%

Physical Description: Liq.

Boiling Point: Bp 113-114°

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **1**, 119B, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 80B, (*ir*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 114A, (*ir*)

Fickett, W. *et al.*, *J.A.C.S.*, 1951, **73**, 5063, (*synth*)

Iimura, K. *et al.*, *Bull. Chem. Soc. Jpn.*, 1969, **42**, 2091, (*synth, ir*)

Carman, C.J. *et al.*, *J.A.C.S.*, 1971, **93**, 2864, (*cmr*)

Bayer, F.L. *et al.*, *J. Chromatogr. Sci.*, 1972, **10**, 696, (*glc*)

Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th edn., Van Nostrand Reinhold, 1979, 558