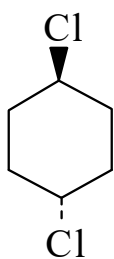




>>Entry Name: 1,4-Dichlorocyclohexane, 9Cl



(1*R*,4*R*)-*form*

CAS Registry Number: 19398-57-3

Molecular Formula: C₆H₁₀Cl₂

Molecular Weight: 153.05

Accurate Mass: 152.015954

Percentage Composition: C 47.09%; H 6.59%; Cl 46.33%

>>Variant: (1*R*,4*R*)-form

Synonym(s): *trans*-form

CAS Registry Number: 16890-91-8

Molecular Formula: C₆H₁₀Cl₂

Molecular Weight: 153.05

Accurate Mass: 152.015954

Percentage Composition: C 47.09%; H 6.59%; Cl 46.33%

Physical Description: Cryst.

Melting Point: Mp 102°

>>Variant: (1*R*,4*S*)-form

Synonym(s): *cis*-form

CAS Registry Number: 16749-11-4

Molecular Formula: C₆H₁₀Cl₂

Molecular Weight: 153.05

Accurate Mass: 152.015954

Percentage Composition: C 47.09%; H 6.59%; Cl 46.33%

Physical Description: Liq.

Melting Point: Mp 18°

Boiling Point: Bp 193° dec.. Bp₁₃ 80-81°

References:

Rothstein, B., *Ann. Chim. (Paris)*, 1930, **14**, 461, (*synth*)

Lunney, T.W. *et al.*, *J.A.C.S.*, 1952, **74**, 3428, (*synth*)

Wood, G.W. *et al.*, *Can. J. Chem.*, 1967, **45**, 1293, (*synth, pmr*)

Gaymard, F. *et al.*, *Bull. Soc. Chim. Fr.*, 1971, 2238, (*ms*)

Ashton, D.S. *et al.*, *J. Chromatogr.*, 1971, **55**, 231

Subbotin, O.A. *et al.*, *Anal. Chem.*, 1976, **48**, 545, (*cmr*)