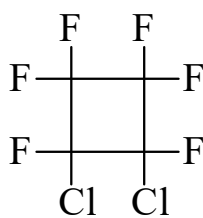




>>Entry Name: 1,2-Dichloro-1,2,3,3,4,4-hexafluorocyclobutane

Synonym(s): C-316



CAS Registry Number: 356-18-3

Related CAS Registry Numbers(s): 27154-45-6

Molecular Formula: $C_4Cl_2F_6$

Molecular Weight: 232.94

Accurate Mass: 231.928122

Percentage Composition: C 20.63%; Cl 30.44%; F 48.94%

Source/Synthesis: Synth. by cyclodimerisation of Chlorotrifluoroethylene [CXR66-D](#)

Use/Importance: Solvent for disperse dyes used to dye synthetic fabrics (polyesters)

Physical Description: Liq.

Melting Point: Mp -15.1°

Boiling Point: Bp 59.9° (55-56.5 $^{\circ}$)

Density: d_4^{20} 1.644

Other Data: Presumed mixt. of stereoisomers

Rare Chemicals Library: S64345-9

References:

Henne, A.L. *et al.*, *J.A.C.S.*, 1947, **69**, 279, (*synth*)

Miller, W.T., *Prep. Prop. Tech. Fluorine and Organic Fluorine Compounds*, McGraw-Hill, NY, 1951, 567; 592

Soloman, W.C. *et al.*, *J.O.C.*, 1964, **29**, 2790, (*synth*, *F-19 nmr*)

Fainberg, A.H. *et al.*, *J.O.C.*, 1965, **30**, 864, (*props*)

Raasch, M.S., *J.O.C.*, 1980, **45**, 2151, (*synth*)

Brabets, R. *et al.*, *J. Fluorine Chem.*, 1988, **41**, 311, (*props*)