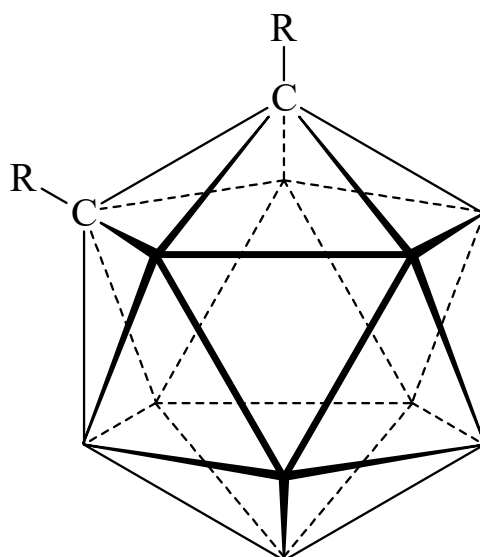




>>Entry Name: 1,2-Dicarbadoecaborane(12), 10Cl

ENTRY UNDER REVIEW

Synonym(s): *o*-Carborane. *o*-Carbaborane



R = H

CAS Registry Number: 16872-09-6

Molecular Formula: $C_2H_{12}B_{10}$

Molecular Weight: 144.227

Accurate Mass: 146.18695

Percentage Composition: C 16.66%; H 8.39%; B 74.96%

General Statement: *closo*-

Use/Importance: Shows high temp. stability; forms many C- and B-substituted derivs.

Physical Description: White solid (pentane)

Melting Point: Mp 320° (evacuated sealed tube)

Solubility: Sol. aromatic solvs.

Aldrich: 28818-7

References:

Schroeder, H. *et al.*, *Inorg. Chem.*, 1963, **2**, 1092, (*ir*)

Potenza, J. *et al.*, *Inorg. Chem.*, 1964, **3**, 1673, (*cryst struct*)

Schroeder, H. *et al.*, *Inorg. Chem.*, 1966, **5**, 693, (*nmr*)

Inorg. Synth., 1967, **10**, 93; 1968, **11**, 19, (*synth*)

Tupciauskas, V. *et al.*, *Zh. Strukt. Khim.*, 1972, **13**, 823, (*pmr*)