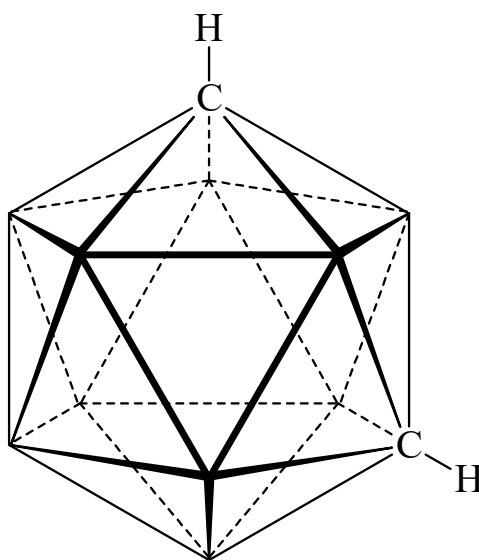




>>Entry Name: 1,7-Dicarbadoecaborane(12), 10Cl

Synonym(s): *m*-Carborane. *m*-Carbaborane. Neocarborane



CAS Registry Number: 16986-24-6

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: Highly temp. stable carborane unit which forms many stable derivs., used for polymer formation

Physical Description: White cryst.

Melting Point: Mp 273°

Aldrich: 37918-2

References:

Aldrich Library of ^{13}C and 1H FT NMR Spectra, 1992, **3**, 730B, (*nmr*)

Grafstein, D. *et al.*, *Inorg. Chem.*, 1963, **2**, 1128, (*synth, ms*)

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

Beall, H. *et al.*, *Inorg. Chem.*, 1967, **6**, 874, (*cryst struct*)

Ditter, J. *et al.*, *Inorg. Chem.*, 1970, **9**, 889, (*synth*)

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