

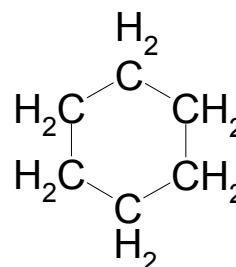
Cyclohexane



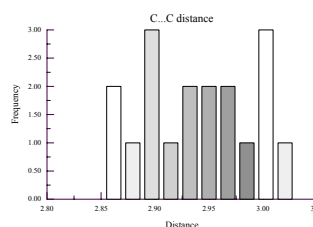
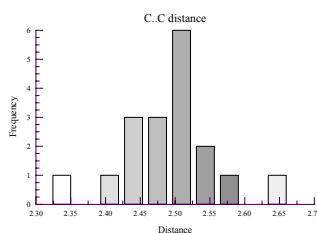
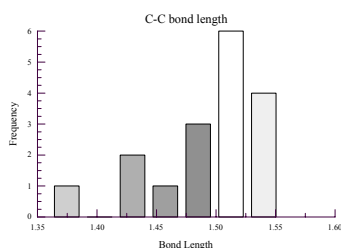
Information Cyclohexane

Formula C_6H_{12} weight 84.15 amu

Cambridge Crystallographic DataBase 5.24 April 2003.
Temperature < -100C, no disorder, no errors, R < 7.5%
CHAIR FORM ONLY (verified)



	Determined	Ideal
C1-C2	1.481 (69)	1.54
C1..C3	2.494 (72)	2.52
C1...C4	2.941 (53)	2.96



C1-C2

Data 18, Minimum value: 1.278, Maximum value: 1.554, Median: 1.502, Arithmetic mean: 1.481, Geometric mean: 1.479, Quadratic mean: 1.482, Harmonic mean: 1.477, Absolute mean: 1.481, Variance: 0.0053, Standard deviation: 0.069, Absolute deviation: 0.050, Standard error: 0.016, Skewness: -0.48255

C1..C3

Data 18, Minimum value: 2.320, Maximum value: 2.664, Median: 2.495, Arithmetic mean: 2.494, Geometric mean: 2.493, Quadratic mean: 2.495, Harmonic mean: 2.492, Absolute mean: 2.494, Variance: 0.005, Standard deviation: 0.072, Absolute deviation: 0.050, Standard error: 0.012, Skewness: -0.0695

C1...C4

Data 18, Minimum value: 2.853, Maximum value: 3.029, Median: 2.944, Arithmetic mean: 2.941, Geometric mean: 2.941, Quadratic mean: 2.942, Harmonic mean: 2.942, Absolute mean: 2.941, Variance: 0.044, Standard deviation: 0.053, Absolute deviation: 0.044, Standard error: 0.012, Skewness: -0.059

Orthogonal Coordinates

C1	-0.0663	1.3737	-0.5452	H8	0.0867	-2.4804	0.3978
C2	1.2466	0.7967	0.0036	H9	-1.3498	-1.0672	-1.0815
C3	1.2778	-0.7313	-0.1457	H10	-2.1150	-1.2494	0.5329
C4	0.0663	-1.3737	0.5452	H11	-2.2231	1.1369	-0.2888
C5	-1.2466	-0.7967	-0.0036	H12	-1.2734	0.9992	1.2291
C6	-1.2778	0.7312	0.1457				
H1	-0.0867	2.4804	-0.3978				
H2	-0.1234	1.1882	-1.6443				
H3	1.3499	1.0672	1.0815				
H4	2.1150	1.2494	-0.5329				
H5	1.2734	-0.9992	-1.2292				
H6	2.2232	-1.1369	0.2887				
H7	0.1234	-1.1882	1.6443				