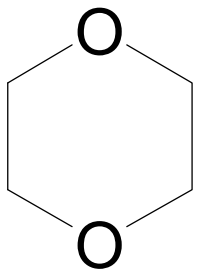
Solvent Table dioxane

Information

Formula $C_4H_8O_2$ weight 88.105 amu

$CH_2OCH_2CH_2OCH_2$



Chair

	Determined	Ideal
C-O	1.424 (28)	1.44
C-C	1.489 (19)	1.53
C..C	2.401 (17)	2.41
O...O	2.821 (21)	2.81

Cambridge Crystallographic DataBase 5.24 April 2003.
Temperature < -90C, no disorder, no errors, R < 5%

C-O

Data 50, Minimum value: 1.251, Maximum value: 1.454, Median: 1.4285, Arithmetic mean: 1.424, Geometric mean: 1.4234, Quadratic mean: 1.424, Harmonic mean: 1.423, Absolute mean: 1.424, Variance: 0.0008, Standard deviation: 0.028, Absolute deviation: 0.013, Standard error: 0.004, Skewness: -5.10

C-C

Data 50, Minimum value: 1.423, Maximum value: 1.522, Median: 1.493, Arithmetic mean: 1.489, Geometric mean: 1.488, Quadratic mean: 1.488, Harmonic mean: 1.488, Absolute mean: 1.488, Variance: 0.0003, Standard deviation: 0.019, Absolute deviation: 0.014, Standard error: 0.003, Skewness: -1.21

C..C

Data 50, Minimum value: 2.367, Maximum value: 2.455, Median: 2.402, Arithmetic mean: 2.401, Geometric mean: 2.401, Quadratic mean: 2.401, Harmonic mean: 2.401, Absolute mean: 2.401, Variance: 0.0003, Standard deviation: 0.017, Absolute deviation: 0.013, Standard error: 0.002, Skewness: 0.403

O...O

Data 50, Minimum value: 2.772, Maximum value: 2.900, Median: 2.821, Arithmetic mean: 2.821, Geometric mean: 2.821, Quadratic mean: 2.821, Harmonic mean: 2.820, Absolute mean: 2.821, Variance: 0.0004, Standard deviation: 0.021, Absolute deviation: 0.015, Standard error: 0.003, Skewness: 0.73192628

Orthogonal Coordinates

O1	0.2829	1.3515	-0.0161
C2	-1.0047	0.8339	-0.3228
C3	-1.1958	-0.5219	0.3649
O4	-0.1818	-1.4233	-0.0585
C5	1.1059	-0.9055	0.2478
C6	1.2967	0.4503	-0.4400