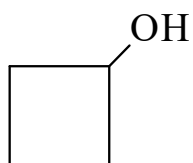




>>Entry Name: Cyclobutanol, 9CI



CAS Registry Number: 2919-23-5

Molecular Formula: C₄H₈O

Molecular Weight: 72.107

Accurate Mass: 72.057515

Percentage Composition: C 66.63%; H 11.18%; O 22.19%

Physical Description: Liq.

Boiling Point: Bp₇₃₃ 123°

Density: d₁₅¹⁵ 0.923

Refractive Index: n_D¹⁹ 1.4339

Aldrich: 15643-4

Fluka: 28694

>>Derivative: Ac

CAS Registry Number: 57297-73-1

Molecular Formula: C₆H₁₀O₂

Molecular Weight: 114.144

Accurate Mass: 114.06808

Percentage Composition: C 63.14%; H 8.83%; O 28.03%

Boiling Point: Bp 131°

>>Derivative: Phenylurethane

Melting Point: Mp 110-111°

>>Derivative: 4-Methylbenzenesulfonyl

Melting Point: Mp 23°

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **1**, 228B, (nmr)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 151B, (ir)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 221C, (ir)

Demjanow, N.J. *et al.*, *Ber.*, 1907, **40**, 2594, (synth)

Chiurdoglu, G., *Bull. Soc. Chim. Belg.*, 1962, **70**, 642, (ir)

Moss, R.A. *et al.*, *Tetrahedron*, 1968, **24**, 2881, (synth)

Sieja, J.B., *J. Chem. Eng. Data*, 1972, **17**, 108, (synth)

Holmes, J.L. *et al.*, *Can. J. Chem.*, 1973, **51**, 2342, (ms)

Komorski, R.A. *et al.*, *J. Phys. Chem.*, 1976, **80**, 2410, (cmr)

Wiberg, K.B. *et al.*, *J.A.C.S.*, 1977, **99**, 4268, (pmr)

Durig, J.R. *et al.*, *J. Mol. Struct.*, 1978, **49**, 323, (ir, Raman)

McAdoo, D.J. *et al.*, *Org. Mass Spectrom.*, 1979, **14**, 350, (ms)