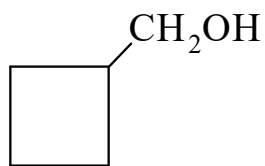




>>Entry Name: Cyclobutanemethanol, 9CI

Synonym(s): Hydroxymethylcyclobutane



CAS Registry Number: 4415-82-1

Molecular Formula: C₅H₁₀O

Molecular Weight: 86.133

Accurate Mass: 86.073165

Percentage Composition: C 69.72%; H 11.70%; O 18.58%

Boiling Point: Bp 141-142°. Bp₂₀ 65-66°

Aldrich: 18791-7

>>Derivative: Ac

CAS Registry Number: 40015-60-9

Molecular Formula: C₇H₁₂O₂

Molecular Weight: 128.171

Accurate Mass: 128.08373

Percentage Composition: C 65.60%; H 9.44%; O 24.97%

Boiling Point: Bp₇₄₁ 150°. Bp₁₂ 49-51°

>>Derivative: 2-Naphthylurethane

Physical Description: Needles

Melting Point: Mp 112.5°

References:

- Aldrich Library of 13C and 1H FT NMR Spectra*, 1992, **1**, 228C, (*nmr*)
Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 151C, (*ir*)
Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 221D, (*ir*)
Sarel, S. *et al.*, *J.A.C.S.*, 1956, **78**, 5416, (*synth*)
Searles, S. *et al.*, *J.A.C.S.*, 1959, **81**, 3674, (*synth*)
Conia, J.M. *et al.*, *Bull. Soc. Chim. Fr.*, 1963, 735, (*synth*)
Shatkina, T.N. *et al.*, *Dokl. Chem. (Engl. Transl.)*, 1972, **207**, 1144, (*synth*)
Török, B. *et al.*, *J.C.S. Perkin 1*, 1993, 801, (*synth, pmr*)