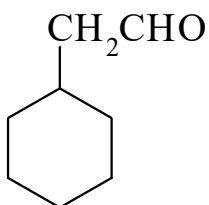




>>Entry Name: Cyclohexaneacetaldehyde, 9CI

Synonym(s): Hexahydrophenylacetaldehyde. 2-Cyclohexylethanal



CAS Registry Number: 5664-21-1

Molecular Formula: C₈H₁₄O

Molecular Weight: 126.198

Accurate Mass: 126.104465

Percentage Composition: C 76.14%; H 11.18%; O 12.68%

Physical Description: Oil

Boiling Point: Bp 179-181.5°. Bp₁₀ 59-60°

Density: d₄²⁰ 0.92

>>Derivative: Semicarbazone

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 171-172° (162°)

>>Derivative: 2,4-Dinitrophenylhydrazone

Physical Description: Cryst. (EtOH)

Melting Point: Mp 124-125°

>>Derivative: Di-Me acetal

Molecular Formula: C₁₀H₂₀O₂

Molecular Weight: 172.267

Accurate Mass: 172.14633

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

Physical Description: Liq.

Boiling Point: Bp 204.5-206°

References:

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Sigmund, F., *Monatsh. Chem.*, 1928, **49**, 271, (*synth*)

Fried, J. *et al.*, *J.O.C.*, 1941, **6**, 566, (*synth*)

Bradbury, R.H. *et al.*, *J. Med. Chem.*, 1990, **33**, 2335, (*synth*, *pmr*)

Righi, G. *et al.*, *J.O.C.*, 1996, **61**, 3557, (*synth*, *pmr*, *cmr*)