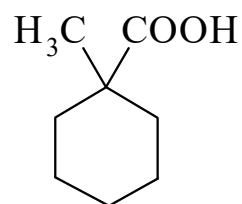




>>Entry Name: 1-Methylcyclohexanecarboxylic acid, 9CI



CAS Registry Number: 1123-25-7

Related CAS Registry Numbers(s): 2890-61-1 62718-34-7

Molecular Formula: C₈H₁₄O₂

Molecular Weight: 142.197

Accurate Mass: 142.09938

Percentage Composition: C 67.57%; H 9.92%; O 22.50%

Melting Point: Mp 38°

Boiling Point: Bp 234°. Bp_{0.5} 79-81°

pKa Value: pK_a 5.13 (25°)

Aldrich: 14282-4

Rare Chemicals Library: S17898-5

>>Derivative: S-Benzylthiuronium salt

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 135-136°

>>Derivative: Me ester

CAS Registry Number: 825-04-7

Molecular Formula: C₉H₁₆O₂

Molecular Weight: 156.224

Accurate Mass: 156.11503

Percentage Composition: C 69.19%; H 10.32%; O 20.48%

Boiling Point: Bp₃₅ 70°

>>Derivative: Amide

CAS Registry Number: 1123-24-6

Molecular Formula: C₈H₁₅NO

Molecular Weight: 141.213

Accurate Mass: 141.115364

Percentage Composition: C 68.04%; H 10.71%; N 9.92%; O 11.33%

Physical Description: Needles (EtOH)

Melting Point: Mp 68-69°

References:

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