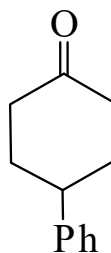




>>Entry Name: 4-Phenylcyclohexanone, 9CI



CAS Registry Number: 4894-75-1

Molecular Formula: C₁₂H₁₄O

Molecular Weight: 174.242

Accurate Mass: 174.104465

Percentage Composition: C 82.72%; H 8.10%; O 9.18%

Physical Description: Cryst. (petrol)

Melting Point: Mp 78.5-79.5°

Boiling Point: Bp₁₂ 158-160°

Aldrich: 19623-1

Fluka: 78330

>>Derivative: Oxime

CAS Registry Number: 4500-20-3

Molecular Formula: C₁₂H₁₅NO

Molecular Weight: 189.257

Accurate Mass: 189.115364

Percentage Composition: C 76.16%; H 7.99%; N 7.40%; O 8.45%

Melting Point: Mp 114-115°

>>Derivative: Semicarbazone

Physical Description: Cryst. (EtOH)

Melting Point: Mp 229 dec.°

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **2**, 791A, (nmr)

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Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 1223B, (ir)

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