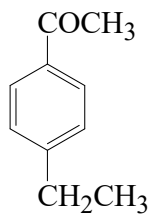




>>Entry Name: 4'-Ethylacetophenone, 8Cl

Synonym(s): 1-(4-Ethylphenyl)ethanone, 9Cl



CAS Registry Number: 937-30-4

Related CAS Registry Numbers(s): 51118-15-1 51118-16-2

Molecular Formula: C₁₀H₁₂O

Molecular Weight: 148.204

Accurate Mass: 148.088815

Percentage Composition: C 81.04%; H 8.16%; O 10.80%

Boiling Point: Bp₂₀ 125°

Density: d 0.9927

Refractive Index: n_D²⁰ 1.5293

Aldrich: 22675-0

>>Derivative: Oxime

Molecular Formula: C₁₀H₁₃NO

Molecular Weight: 163.219

Accurate Mass: 163.099714

Percentage Composition: C 73.59%; H 8.03%; N 8.58%; O 9.80%

Physical Description: Plates (EtOH)

Melting Point: Mp 83-84°

>>Derivative: 2,4-Dinitrophenylhydrazone

Physical Description: Red cryst. (EtOH)

Melting Point: Mp 209°

>>Derivative: Semicarbazone

CAS Registry Number: 16742-02-2

Physical Description: Needles (MeOH)

Melting Point: Mp 196°

>>Derivative: Thiosemicarbazone

Physical Description: Cryst. (1-propanol)

Melting Point: Mp 133.5-135.5°

References:

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Burawoy, A. *et al.*, *J.C.S.*, 1955, 2085, (*uv*)

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Dhami, K.S., *Can. J. Chem.*, 1965, **43**, 479, (*synth, cmr*)

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