



>>Entry Name: 1-(3-Chlorophenyl)-1-propanone, 9Cl

Synonym(s): 3'-Chloropropiophenone, 8Cl. *m*-Chlorophenyl ethyl ketone

CAS Registry Number: 34841-35-5

Structure by analogy with 1-(2-Chlorophenyl)-1-propanone, [DXD37-O](#)

Molecular Formula: C₉H₉ClO

Molecular Weight: 168.622

Accurate Mass: 168.034192

Percentage Composition: C 64.11%; H 5.38%; Cl 21.02%; O 9.49%

Melting Point: Mp 48-49° (79°)

Boiling Point: Bp₁₄ 124°

Aldrich: 24819-3

>>Derivative: Semicarbazone

Melting Point: Mp 179-180°

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **2**, 25A, (*ir*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 1243D, (*ir*)

Edkins, R.P. *et al.*, *CA*, 1936, **30**, 6724, (*synth*)

Zenitz, B.L. *et al.*, *J.O.C.*, 1946, **11**, 444, (*synth*)