>>**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: C_9H_9ClO
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: Bp_{14} 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)*