>>**Entry Name: 3-Chloro-1-phenyl-1-propanone,** 9Cl
Synonym(s): 3-Chloropropiophenone, 8Cl. ω-Chloropropiophenone. 2-Chloroethyl phenyl ketone. 1-Benzoyl-2-chloroethane

CAS Registry Number: 936-59-4
$PhCOCH_2CH_2Cl$

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%
Physical Description: Cryst. (EtOH), leaflets or plates (Et_2O)
Melting Point: Mp 57° (49-50°)

Aldrich: 33561-4
Fluka: 26226

>>**Derivative:** 2,4-Dinitrophenylhydrazone

Melting Point: Mp 131°

References:
Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **2**, 826A, *(nmr)*
Aldrich Library of FT-IR Spectra, 1st edn., 1985, **2**, 21B, *(ir)*
Hale, W.J. *et al.*, *J.A.C.S.*, 1919, **41**, 841, *(synth)*
Kenner, J. *et al.*, *J.C.S.*, 1935, 299, *(synth)*