>>**Entry Name: 1-(4-Fluorophenyl)-2-propanone,** 9Cl
Synonym(s): (*p*-Fluorophenyl)acetone. *p*-Fluorobenzyl methyl ketone

CAS Registry Number: 459-03-0
Structure by analogy with 1-(2-Fluorophenyl)-2-propanone, JLG81-U

Molecular Formula: C_9H_9FO
Molecular Weight: 152.168
Accurate Mass: 152.063743
Percentage Composition: C 71.04%; H 5.96%; F 12.49%; O 10.51%
Physical Description: Light yellow oil
Boiling Point: Bp_{30} 120-130°. $Bp_{0.12}$ 72-73°
Density: d_4^{20}1.107
Refractive Index: n_D^{20} 1.4965 n_D^{25} 1.4930

Aldrich: 20945-7
Fluka: 47287

>>**Derivative:** Semicarbazone

Melting Point: Mp 200-201.5°

References:
Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **2**, 793A, *(nmr)*
Aldrich Library of FT-IR Spectra, 1st edn., 1985, **2**, 4C, *(ir)*
Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 1225A, *(ir)*
Suter, C.M. *et al.*, *J.A.C.S.*, 1941, **63**, 602, *(synth, deriv)*
Ando, T.*, Yuki Gosei Kagaku Kyokaishi*, 1959, **17**, 777; *CA*, **54**, 4492f, *(synth)*
Adcock, W. *et al.*, *Aust. J. Chem.*, 1970, **23**, 1921, *(synth, pmr)*
Adcock, W. *et al.*, *J.O.C.*, 1976, **41**, 1498, *(cmr)*