>>**Entry Name: 3'-Fluoroacetophenone**
Synonym(s): 1-(3-Fluorophenyl)ethanone, 9CI

CAS Registry Number: 455-36-7
Structure by analogy with 2'-Fluoroacetophenone, DTM05-U

Molecular Formula: C_8H_7FO
Molecular Weight: 138.141
Accurate Mass: 138.048093
Percentage Composition: C 69.56%; H 5.11%; F 13.75%; O 11.58%

Aldrich: 21934-7
Sigma: F7625

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

Physical Description: Cryst. (EtOH)
Melting Point: Mp 238°

References:
Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **2**, 829B, *(nmr)*
Aldrich Library of FT-IR Spectra, 1st edn., 1985, **2**, 24A, *(ir)*
Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 1242D, *(ir)*
Lyle, R.E. *et al.*, *J.A.C.S.*, 1953, **75**, 5959
Katritzky, A.R. *et al.*, *J.A.C.S.*, 1969, **91**, 628, *(ir)*
Adcock, W. *et al.*, *Aust. J. Chem.*, 1971, **24**, 1829, *(nmr)*