>>**Entry Name: 3'-Nitroacetophenone,** 8CI
Synonym(s): 1-(3-Nitrophenyl)ethanone, 9CI

CAS Registry Number: 121-89-1

Molecular Formula: $C_8H_7NO_3$
Molecular Weight: 165.148
Accurate Mass: 165.042594
Percentage Composition: C 58.18%; H 4.27%; N 8.48%; O 29.06%
Physical Description: Needles (EtOH)
Melting Point: Mp 81°
Boiling Point: Bp 202°. Bp_{18} 167°
pKa Value: pK_a –7.62 (25°, H_2SO_4)
Other Data: Steam-volatile
Hazard & Toxicity: Eye and skin irritant. LD_{50} (rat, orl) 3250 mg/kg

Aldrich: N938-1
Fluka: 72610

>>**Derivative:** Oxime

CAS Registry Number: 7471-32-1
Molecular Formula: $C_8H_8N_2O_3$
Molecular Weight: 180.163
Accurate Mass: 180.053493
Percentage Composition: C 53.33%; H 4.48%; N 15.55%; O 26.64%
Physical Description: Needles (H_2O)
Melting Point: Mp 131-132°

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

Physical Description: Orange cryst.
Melting Point: Mp 232.5-233°

References:

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