



>>Entry Name: 1-(4-Nitrophenyl)-2-propanone, 9CI

Synonym(s): *p*-Nitrophenylacetone

CAS Registry Number: 5332-96-7

Molecular Formula: C₉H₉NO₃

Molecular Weight: 179.175

Accurate Mass: 179.058244

Percentage Composition: C 60.33%; H 5.06%; N 7.82%; O 26.79%

Physical Description: Yellow plates (Et₂O/petrol)

Melting Point: Mp 62-63°

Rare Chemicals Library: S62266-4

>>Derivative: 2,4-Dinitrophenylhydrazone

CAS Registry Number: 40748-81-0

Physical Description: Light-red powder (EtOH)

Melting Point: Mp 185-186 dec.°

References:

Overberger, C.G. *et al.*, *J.A.C.S.*, 1951, **73**, 4880, (*synth*)

Bowie, J.H. *et al.*, *Org. Mass Spectrom.*, 1975, **10**, 1117, (*ms*)

Issa, R.M. *et al.*, *Spectrochim. Acta A*, 1975, **31**, 199, (*uv, ir*)