



>>Entry Name: 1-(4-Methylphenyl)-1-butanone, 9CI

Synonym(s): 4'-Methylbutyrophenone, 8CI. Propyl *p*-tolyl ketone

CAS Registry Number: 4160-52-5

Molecular Formula: C₁₁H₁₄O

Molecular Weight: 162.231

Accurate Mass: 162.104465

Percentage Composition: C 81.44%; H 8.70%; O 9.86%

Physical Description: Liq.

Boiling Point: Bp 250°. Bp₆ 114°

Density: d₄²⁰0.97

Rare Chemicals Library: S35270-5

>>Derivative: Semicarbazone

Melting Point: Mp 210°

>>Derivative: 2,4-Dinitrophenylhydrazone

Physical Description: Orange-red plates

Melting Point: Mp 191°

References:

Willgerodt, C. *et al.*, *J. Prakt. Chem.*, 1910, **81**, 74, (*synth*)

Noller, C.R. *et al.*, *J.A.C.S.*, 1924, **46**, 1889, (*synth*)

Cullinane, N.M. *et al.*, *J.C.S.*, 1952, 376, (*synth*)