



>>Entry Name: 1-(3-Methylphenyl)-1-propanone, 9CI

Synonym(s): 3'-Methylpropiophenone. Ethyl *m*-tolyl ketone. *m*-Propionyltoluene

CAS Registry Number: 51772-30-6

Molecular Formula: C₁₀H₁₂O

Molecular Weight: 148.204

Accurate Mass: 148.088815

Percentage Composition: C 81.04%; H 8.16%; O 10.80%

Boiling Point: Bp₇₄₅ 234°. Bp_{30.299999} 130-135°

Density: d₄⁰ 1.006

Rare Chemicals Library: S55911-3

>>Derivative: Oxime

Molecular Formula: C₁₀H₁₃NO

Molecular Weight: 163.219

Accurate Mass: 163.099714

Percentage Composition: C 73.59%; H 8.03%; N 8.58%; O 9.80%

Melting Point: Mp 68-69°

>>Derivative: Semicarbazone

Melting Point: Mp 175-176° (166°)

References:

Hartung, W.H. *et al.*, *J.A.C.S.*, 1935, **57**, 1091

Schultz, H.P. *et al.*, *J.O.C.*, 1963, **28**, 879, (*synth*)

Iacopo, D. *et al.*, *Gazz. Chim. Ital.*, 1975, **105**, 907, (*synth*)