



>>Entry Name: 1-(3-Methoxyphenyl)-2-propanone, 9CI

Synonym(s): *m*-Methoxyphenylacetone

CAS Registry Number: 3027-13-2

Molecular Formula: C₁₀H₁₂O₂

Molecular Weight: 164.204

Accurate Mass: 164.08373

Percentage Composition: C 73.15%; H 7.37%; O 19.49%

Boiling Point: Bp 258-260°. Bp₃ 107-112°

Aldrich: 28881-0

>>Derivative: Semicarbazone

Melting Point: Mp 175°

>>Derivative: 2,4-Dinitrophenylhydrazone

Melting Point: Mp 115°

Boiling Point: Bp_{1.5} 108-109°

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **2**, 794A, (*nmr*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 1225D, (*ir*)

Horii, Z. *et al.*, *J.C.S.*, 1963, 3940, (*synth, ir*)

Binovic, K. *et al.*, *CA*, 1969, **80**, 87171y, (*synth*)