



>>Entry Name: 4'-Hydroxy-2'-methylacetophenone

Synonym(s): 1-(4-Hydroxy-2-methylphenyl)ethanone, 9CI. 4-Acetyl-*m*-cresol. Methyl 4-hydroxy-*o*-tolyl ketone

CAS Registry Number: 875-59-2

Molecular Formula: C<sub>9</sub>H<sub>10</sub>O<sub>2</sub>

Molecular Weight: 150.177

Accurate Mass: 150.06808

Percentage Composition: C 71.98%; H 6.71%; O 21.31%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 128°

Boiling Point: Bp 313°

Aldrich: H3780-6

>>Derivative: Me ether

Synonym(s): 4'-Methoxy-2'-methylacetophenone

CAS Registry Number: 24826-74-2

Molecular Formula: C<sub>10</sub>H<sub>12</sub>O<sub>2</sub>

Molecular Weight: 164.204

Accurate Mass: 164.08373

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

Melting Point: Mp 12°

Boiling Point: Bp 268°. Bp<sub>20</sub> 150°

#### References:

*Aldrich Library of 13C and 1H FT NMR Spectra*, 1992, **2**, 863B, (*nmr*)

*Aldrich Library of FT-IR Spectra*, 1st edn., 1985, **2**, 45C, (*ir*)

*Aldrich Library of FT-IR Spectra: Vapor Phase*, 1989, **3**, 1261C, (*ir*)

Nencki, M. *et al.*, *Ber.*, 1897, **30**, 1768

Fujio, M. *et al.*, *Bull. Chem. Soc. Jpn.*, 1975, **48**, 2127, (*nmr*)

Pathak, V.P. *et al.*, *Synthesis*, 1981, 882, (*synth*, *pmr*)