>>**Entry Name: 2-Hydroxy-5-methylbenzophenone,** 8CI
Synonym(s): (2-Hydroxy-5-methylphenyl)phenylmethanone, 9CI. 2-Benzoyl-*p*-cresol

CAS Registry Number: 1470-57-1

Molecular Formula: $C_{14}H_{12}O_2$
Molecular Weight: 212.248
Accurate Mass: 212.08373
Percentage Composition: C 79.23%; H 5.70%; O 15.08%
Physical Description: Yellow cryst. (EtOH)
Melting Point: Mp 87°

Aldrich: H3860-8
Sigma: H4905

>>**Derivative:** Oxime

CAS Registry Number: 51528-11-1
Molecular Formula: $C_{14}H_{13}NO_2$
Molecular Weight: 227.262
Accurate Mass: 227.094629
Percentage Composition: C 73.99%; H 5.77%; N 6.16%; O 14.08%
Physical Description: Needles (AcOH)
Melting Point: Mp 126-129°

>>**Derivative:** 2,4-Dinitrophenylhydrazone

Melting Point: Mp 244-245°

>>**Derivative:** Me ether
Synonym(s): 2-Methoxy-5-methylbenzophenone

CAS Registry Number: 4072-13-3
Molecular Formula: $C_{15}H_{14}O_2$
Molecular Weight: 226.274
Accurate Mass: 226.09938
Percentage Composition: C 79.62%; H 6.24%; O 14.14%
Physical Description: Yellow oil
Boiling Point: Bp_4 190°

References:

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Newman, M.S. *et al.*, *J.O.C.*, 1954, **19**, 992