



>>Entry Name: 2-Hydroxy-5-methylbenzophenone, 8Cl

Synonym(s): (2-Hydroxy-5-methylphenyl)phenylmethanone, 9Cl. 2-Benzoyl-*p*-cresol

CAS Registry Number: 1470-57-1

Molecular Formula: C₁₄H₁₂O₂

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: C₁₄H₁₃NO₂

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: C₁₅H₁₄O₂

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: Bp₄ 190°

References:

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