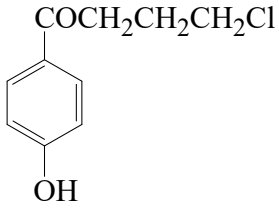
>>**Entry Name: 4-Chloro-1-(4-hydroxyphenyl)-1-butanone,** 9Cl
Synonym(s): 4-Chloro-4'-hydroxybutyrophenone, 8Cl. 1-Chloro-3-(4-hydroxybenzoyl)propane



CAS Registry Number: 7150-55-2

Molecular Formula: $C_{10}H_{11}ClO_2$
Molecular Weight: 198.648
Accurate Mass: 198.044757
Percentage Composition: C 60.46%; H 5.58%; Cl 17.85%; O 16.11%
Physical Description: Cryst. (petrol)
Melting Point: Mp 115-117°

Aldrich: C4490-7

>>**Derivative:** Ac

Molecular Formula: $C_{12}H_{13}ClO_3$
Molecular Weight: 240.686
Accurate Mass: 240.055322
Percentage Composition: C 59.88%; H 5.44%; Cl 14.73%; O 19.94%
Melting Point: Mp 30-31.5°

>>**Derivative:** Me ether
Synonym(s): 4-Chloro-1-(4-methoxyphenyl)-1-butanone. 4-Chloro-4'-methoxybutyrophenone

CAS Registry Number: 40877-19-8
Molecular Formula: $C_{11}H_{13}ClO_2$
Molecular Weight: 212.675
Accurate Mass: 212.060407
Percentage Composition: C 62.12%; H 6.16%; Cl 16.67%; O 15.05%
Physical Description: Plates (EtOAc/petrol)
Melting Point: Mp 31°
Boiling Point: Bp_2 159-163°
Rare Chemicals Library: S34430-3

References:

van de Westeringh, C. *et al.*, *Ind. Chim. Belg.*, 1960, **25**, 1073-1076, *(synth, Me ether, Ac)*
Kalyanam, N. *et al.*, *Synth. Commun.*, 1988, **18**, 2183-2191, *(synth)*
Uchida, M. *et al.*, *Chem. Pharm. Bull.*, 1989, **37**, 958-961, *(Me ether synth, pmr, ir)*
Chang, S.-J. *et al.*, *Org. Process Res. Dev.*, 2001, **5**, 141-143, *(synth, pmr)*