



>>Entry Name: 1-(4-Hydroxyphenyl)-1-butanone, 9CI
Synonym(s): *p*-Hydroxybutyrophenone, 8CI. *p*-Butyrylphenol

CAS Registry Number: 1009-11-6

Molecular Formula: C₁₀H₁₂O₂
Molecular Weight: 164.204
Accurate Mass: 164.08373
Percentage Composition: C 73.15%; H 7.37%; O 19.49%
Physical Description: Plates (petrol)
Melting Point: Mp 91°
Boiling Point: Bp₉ 187-188°

Rare Chemicals Library: S43978-9

>>Derivative: Me ether
Synonym(s): *p*-Methoxybutyrophenone. *p*-Butyrylanisole

CAS Registry Number: 4160-51-4
Molecular Formula: C₁₁H₁₄O₂
Molecular Weight: 178.23
Accurate Mass: 178.09938
Percentage Composition: C 74.13%; H 7.92%; O 17.95%
Melting Point: Mp 21-22°
Boiling Point: Bp 275°. Bp₁₉ 158-159°
Rare Chemicals Library: S53575-3

>>Derivative: Oxime

Molecular Formula: C₁₀H₁₃NO₂
Molecular Weight: 179.218
Accurate Mass: 179.094629
Percentage Composition: C 67.02%; H 7.31%; N 7.82%; O 17.85%
Melting Point: Mp 83-84°

>>Derivative: Semicarbazone

Melting Point: Mp 167-169°

>>Derivative: 2,4-Dinitrophenylhydrazone

CAS Registry Number: 2910-04-5
Melting Point: Mp 215°

References:

Klages, A., *Ber.*, 1902, **35**, 2262
Sandulescu, G. *et al.*, *Bull. Soc. Chim. Fr.*, 1930, **47**, 1300
Baranger, P.M., *Bull. Soc. Chim. Fr.*, 1931, **49**, 1213