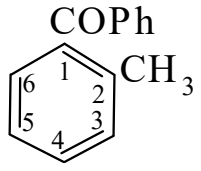
>>**Entry Name: 2-Methylbenzophenone,** 8CI
Synonym(s): (2-Methylphenyl)phenylmethanone, 9CI. Phenyl *o*-tolyl ketone. 2-Benzoyltoluene



CAS Registry Number: 131-58-8

Molecular Formula: $C_{14}H_{12}O$
Molecular Weight: 196.248
Accurate Mass: 196.088815
Percentage Composition: C 85.68%; H 6.16%; O 8.15%
Physical Description: Fixative in perfumery; has antiinflammatory props.
Melting Point: Mp –18°
Boiling Point: Bp_{762} 309.5°. Bp_{12} 168°. $Bp_{0.3}$ 125-127°
Refractive Index: n_D^{20} 1.5958

Aldrich: 15753-8

>>**Derivative:** (*E*)-Oxime
Molecular Formula: $C_{14}H_{13}NO$
Molecular Weight: 211.263
Accurate Mass: 211.099714
Percentage Composition: C 79.59%; H 6.20%; N 6.63%; O 7.57%
Melting Point: Mp 105°

>>**Derivative:** (*Z*)-Oxime

Melting Point: Mp 69°

>>**Derivative:** (*E*)-2,4-Dinitrophenylhydrazone

CAS Registry Number: 38736-39-9
Melting Point: Mp 184-190°

References:

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