



>>Entry Name: 1-(4-Methylphenyl)-2-propanone, 9CI

Synonym(s): 1-(*p*-Tolyl)-2-propanone, 8CI. *p*-Tolylacetone. 4-Acetyloluene

CAS Registry Number: 2096-86-8

Molecular Formula: C<sub>10</sub>H<sub>12</sub>O

Molecular Weight: 148.204

Accurate Mass: 148.088815

Percentage Composition: C 81.04%; H 8.16%; O 10.80%

Physical Description: Liq.

Boiling Point: Bp 232-233°. Bp<sub>12</sub> 109-110°

>>Derivative: Oxime

Molecular Formula: C<sub>10</sub>H<sub>13</sub>NO

Molecular Weight: 163.219

Accurate Mass: 163.099714

Percentage Composition: C 73.59%; H 8.03%; N 8.58%; O 9.80%

Physical Description: Prisms (petrol)

Melting Point: Mp 90-91°

>>Derivative: Semicarbazone

Melting Point: Mp 158°

#### References:

Levy, G.C. *et al.*, *J.A.C.S.*, 1968, **90**, 3574, (*pmr*)

Lethbridge, A. *et al.*, *J.C.S. Perkin 1*, 1973, 35

Divakur, K.J. *et al.*, *Indian J. Chem., Sect. B*, 1976, **14**, 704, (*synth*)