



Melting Point: Mp 153°

>>**Derivative:** Me ester

CAS Registry Number: 30680-84-3

Boiling Point: Bp₁₅ 105-106°

>>**Derivative:** Et ester

CAS Registry Number: 5453-88-3

Boiling Point: Bp₁₅ 107°

>>**Derivative:** Nitrile

Synonym(s): 2-Cyano-2-methylcyclopentanone

CAS Registry Number: 66984-18-7

Molecular Formula: C₇H₉NO

Molecular Weight: 123.154

Accurate Mass: 123.068414

Percentage Composition: C 68.27%; H 7.37%; N 11.37%; O 12.99%

Boiling Point: Bp 230°

>>**Derivative:** Nitrile, semicarbazone

Physical Description: Plates (EtOH)

Melting Point: Mp 210°

References:

- Dubois, J.E. *et al.*, *Tetrahedron*, 1972, **28**, 1653
Bell, R.P. *et al.*, *J.C.S. Perkin 2*, 1973, 1681
Barco, A. *et al.*, *Synthesis*, 1973, 316
Paquer, D. *et al.*, *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1976, **95**, 172
Saigo, K. *et al.*, *Bull. Chem. Soc. Jpn.*, 1979, **52**, 3119
Sato, T. *et al.*, *Chem. Lett.*, 1988, 1739, (*synth, ester*)
Valli, V.L.K. *et al.*, *Indian J. Chem., Sect. B*, 1990, **29**, 481, (*synth, ester*)
Eicher, T. *et al.*, *Synthesis*, 1996, 863, (*Et ester*)
Nishimura, Y. *et al.*, *Eur. J. Org. Chem.*, 1998, 233-236, (*Et ester*)