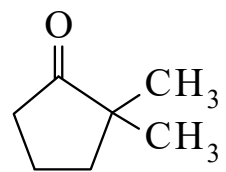




>>Entry Name: 2,2-Dimethylcyclopentanone



CAS Registry Number: 4541-32-6

Molecular Formula: $C_7H_{12}O$

Molecular Weight: 112.171

Accurate Mass: 112.088815

Percentage Composition: C 74.95%; H 10.78%; O 14.26%

Physical Description: Liq.

Boiling Point: Bp 142-143.8°

Aldrich: 37147-5

>>Derivative: Oxime

Molecular Formula: $C_7H_{13}NO$

Molecular Weight: 127.186

Accurate Mass: 127.099714

Percentage Composition: C 66.11%; H 10.30%; N 11.01%; O 12.58%

Melting Point: Mp 68.7°

>>Derivative: Semicarbazone

Physical Description: Cryst. (MeOH)

Melting Point: Mp 191.5-191.8°

References:

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Bartlett, P.D. *et al.*, *J.A.C.S.*, 1938, **60**, 2416, (*synth*)

Knorr, R. *et al.*, *Chem. Ber.*, 1992, **125**, 2033, (*synth*)

Bonafoux, D. *et al.*, *Synth. Commun.*, 1998, **28**, 93-98, (*synth*)