



>>Entry Name: **2,2-Dimethyl-3-phenylpropanal**

Synonym(s): α,α -Dimethylbenzenepropanal, 9CI

CAS Registry Number: 1009-62-7

$\text{PhCH}_2\text{C}(\text{CH}_3)_2\text{CHO}$

Molecular Formula: $\text{C}_{11}\text{H}_{14}\text{O}$

Molecular Weight: 162.231

Accurate Mass: 162.104465

Percentage Composition: C 81.44%; H 8.70%; O 9.86%

Physical Description: Liq.

Boiling Point: $\text{Bp}_{1.5}$ 70-73°

>>Derivative: 2,4-Dinitrophenylhydrazone

Physical Description: Yellow-orange needles (EtOH/EtOAc)

Melting Point: Mp 150-152°

References:

Opitz, G. *et al.*, *Annalen*, 1961, **649**, 36, (*synth*)

Org. Synth., 1974, **54**, 46, (*synth*)