



>>Entry Name: 2,2-Dimethyl-1-butanol

Synonym(s): *tert*-Amylcarbinol

CAS Registry Number: 1185-33-7

$\text{H}_3\text{CCH}_2\text{C}(\text{CH}_3)_2\text{CH}_2\text{OH}$

Molecular Formula: $\text{C}_6\text{H}_{14}\text{O}$

Molecular Weight: 102.176

Accurate Mass: 102.104465

Percentage Composition: C 70.53%; H 13.81%; O 15.66%

Physical Description: Liq. with camphoraceous odour

Boiling Point: Bp 137°

Density: d_4^0 0.844

Hazard & Toxicity: Skin irritant. LD₅₀ (rat, orl) 2330 mg/kg

Rare Chemicals Library: S65897-9

>>Derivative: Phenylurethane

Physical Description: Cryst. (EtOH)

Melting Point: Mp 65-66°

References:

Puzitskii, K.V. *et al.*, *Neftekhimiya*, 1967, **7**, 280; *CA*, **67**, 108161, (*synth*)

Shutikova, L.A. *et al.*, *CA*, 1967, **66**, 85413, (*synth*)