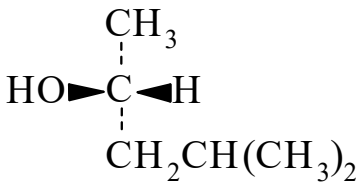
>>**Entry Name: 4-Methyl-2-pentanol,** 9CI
Synonym(s): Isobutylmethylcarbinol



(*R*)-*form*

Molecular Formula: $C_6H_{14}O$
Molecular Weight: 102.176
Accurate Mass: 102.104465
Percentage Composition: C 70.53%; H 13.81%; O 15.66%

>>**Variant:** (*R*)-form

CAS Registry Number: 16404-54-9
Molecular Formula: $C_6H_{14}O$
Molecular Weight: 102.176
Accurate Mass: 102.104465
Percentage Composition: C 70.53%; H 13.81%; O 15.66%
Physical Description: Liq.
Boiling Point: Bp_{45} 64-65°
Optical Rotation: $[\alpha]_D^{20}$–20.8 (neat)

>>**Derivative:** 1-Naphthylurethane

Melting Point: Mp 86-89°
Optical Rotation: $[\alpha]_D^{22}$–3.7 (EtOH)

>>**Variant:** (*S*)-form

CAS Registry Number: 14898-80-7
Molecular Formula: $C_6H_{14}O$
Molecular Weight: 102.176
Accurate Mass: 102.104465
Percentage Composition: C 70.53%; H 13.81%; O 15.66%
Physical Description: Liq.
Boiling Point: Bp_{45} 63-64°
Optical Rotation: $[\alpha]_D^{20}$+22.4 (neat)

>>**Variant:** (±)-form

CAS Registry Number: 108-11-2
Molecular Formula: $C_6H_{14}O$
Molecular Weight: 102.176
Accurate Mass: 102.104465
Percentage Composition: C 70.53%; H 13.81%; O 15.66%
Physical Description: Liq.
Boiling Point: Bp 132°. Bp_{10} 47°
Hazard & Toxicity: Flammable, fl. p. 41°. High vapour conc. anaesthetic. Skin and severe eye irritant. LD_{50} (rat, orl) 2590 mg/kg. OES: long-term 25 ppm; short-term 40 ppm (Sk)

Aldrich: 10991-6
Fluka: 68440

>>**Derivative:** Phenylurethane

Melting Point: Mp 143°

>>**Derivative:** Ac

https://www.baizuoyan.com - CopyRight ©baizuoyan