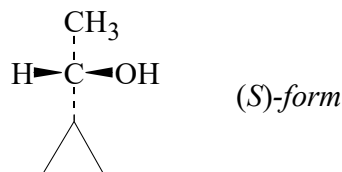




>>Entry Name: α -Methylcyclopropanemethanol, 9CI

Synonym(s): Cyclopropyl methyl carbinol. α -Hydroxyethylcyclopropane. 1-Cyclopropylethanol



CAS Registry Number: 765-42-4

Related CAS Registry Numbers(s): 6516-09-2

Molecular Formula: $C_5H_{10}O$

Molecular Weight: 86.133

Accurate Mass: 86.073165

Percentage Composition: C 69.72%; H 11.70%; O 18.58%

Aldrich: C11990-3

Fluka: 29930

>>Variant: (S)-form

CAS Registry Number: 55637-37-1

Molecular Formula: $C_5H_{10}O$

Molecular Weight: 86.133

Accurate Mass: 86.073165

Percentage Composition: C 69.72%; H 11.70%; O 18.58%

Physical Description: Liq.

Boiling Point: Bp_{90} 70°

Optical Rotation: $[\alpha]_D^{29} +19.45$ (neat)

Other Data: Obt. contaminated with 6.3% EtOH aq.

>>Derivative: Benzoyl

Molecular Formula: $C_{12}H_{14}O_2$

Molecular Weight: 190.241

Accurate Mass: 190.09938

Percentage Composition: C 75.76%; H 7.42%; O 16.82%

Physical Description: Liq.

Boiling Point: Bp_1 47-49°

Optical Rotation: $[\alpha]_D^{27} +33.82$ (neat)

>>Variant: ($\pm$)-form

CAS Registry Number: 10367-79-0

Molecular Formula: $C_5H_{10}O$

Molecular Weight: 86.133

Accurate Mass: 86.073165

Percentage Composition: C 69.72%; H 11.70%; O 18.58%

Physical Description: Liq.

Melting Point: Fp -32.1°

Boiling Point: Bp 123.5° (119°)

Refractive Index: n_D^{25} 1.4299

>>Derivative: 3,5-Dinitrobenzoyl

Melting Point: Mp 88.5-89°

References:

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Vogel, M. *et al.*, *J.A.C.S.*, 1966, **88**, 2262, (*synth, resoln*)

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