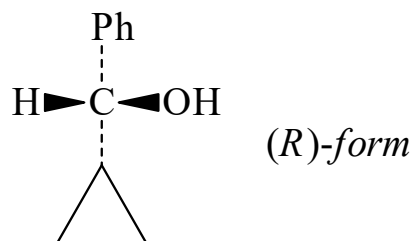




>>Entry Name: Cyclopropylphenylmethanol

Synonym(s): α -Cyclopropylbenzenemethanol, 9Cl. α -Cyclopropylbenzyl alcohol, 8Cl. Cyclopropylphenylcarbinol



CAS Registry Number: 1007-03-0

Related CAS Registry Numbers(s): 110548-55-5 110548-56-6

Molecular Formula: C₁₀H₁₂O

Molecular Weight: 148.204

Accurate Mass: 148.088815

Percentage Composition: C 81.04%; H 8.16%; O 10.80%

Aldrich: C12040-5

>>Variant: (*R*)-form

CAS Registry Number: 110548-55-5

Molecular Formula: C₁₀H₁₂O

Molecular Weight: 148.204

Accurate Mass: 148.088815

Percentage Composition: C 81.04%; H 8.16%; O 10.80%

Physical Description: Liq.

Optical Rotation: $[\alpha]_{\text{D}}^{25} +27.99$ (c, 1.072 in CHCl₃)

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

CAS Registry Number: 63226-80-2

Molecular Formula: C₁₀H₁₂O

Molecular Weight: 148.204

Accurate Mass: 148.088815

Percentage Composition: C 81.04%; H 8.16%; O 10.80%

Physical Description: Pale yellow oil

Boiling Point: Bp₁₂ 121°

Density: d₄²⁰ 1.04

Refractive Index: n_D²⁰ 1.5400

>>Derivative: Me ether

Synonym(s): Cyclopropylmethoxyphenylmethane

CAS Registry Number: 5558-08-7

Molecular Formula: C₁₁H₁₄O

Molecular Weight: 162.231

Accurate Mass: 162.104465

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

Boiling Point: Bp₃₃ 106-115°. Bp₁₄ 94-95°

References:

- Olah, G.A. *et al.*, *J.A.C.S.*, 1974, **96**, 3548, (*cmr*)
Baldry, P.J., *J.C.S. Perkin I*, 1975, 1913, (*synth, ir, pmr*)
Hall, S.S. *et al.*, *Chem. Ind. (London)*, 1976, 216, (*synth, pmr, ms*)
Pirkle, W.H. *et al.*, *J.O.C.*, 1981, **46**, 2935, (*resoln*)
Dallinga, J.W. *et al.*, *Org. Mass Spectrom.*, 1981, **16**, 183, (*ms*)
Leeper, F.J. *et al.*, *Tet. Lett.*, 1989, **30**, 5017
Bradshaw, C.W. *et al.*, *J.O.C.*, 1992, **57**, 1526, (*synth, pmr*)
, Celebi, S. *et al.*, *J.A.C.S.*, 1993, **115**, 8613, (*synth, pmr*)
Leeper, F.J. *et al.*, *Can. J. Chem.*, 1994, **72**, 131, (*synth, R-form, S-form, $\pm$ -form*)