



>>Entry Name: 1,1-Diphenyl-1-propanol, 8Cl

Synonym(s):  $\alpha$ -Ethyl- $\alpha$ -phenylbenzenemethanol, 9Cl. Ethyldiphenylcarbinol.  $\alpha$ -Ethylbenzhydrol.  $\alpha$ -Hydroxy- $\alpha$ -ethyldiphenylmethane

CAS Registry Number: 5180-33-6

$\text{H}_3\text{CCH}_2\text{CPh}_2\text{OH}$

Molecular Formula:  $\text{C}_{15}\text{H}_{16}\text{O}$

Molecular Weight: 212.291

Accurate Mass: 212.120115

Percentage Composition: C 84.87%; H 7.60%; O 7.54%

Melting Point: Mp 90-91°. Mp 95°

Boiling Point: Bp<sub>14</sub> 171-173°

Rare Chemicals Library: S50943-4

>>Derivative: 4-Nitrobenzoyl

CAS Registry Number: 37816-59-4

Melting Point: Mp 135 dec.°

>>Derivative: Hydrogen phthalate

CAS Registry Number: 37817-54-2

Melting Point: Mp 119°

>>Derivative: Et ether

Synonym(s): 1-Ethoxy-1,1-diphenylpropane

Molecular Formula:  $\text{C}_{17}\text{H}_{20}\text{O}$

Molecular Weight: 240.344

Accurate Mass: 240.151415

Percentage Composition: C 84.96%; H 8.39%; O 6.66%

Melting Point: Mp 160-161°

#### References:

Blicke, F.F. *et al.*, *J.A.C.S.*, 1929, **51**, 3378, (*synth*)

Gilman, H., *J.A.C.S.*, 1945, **67**, 922, (*synth*)

Ottenbrite, R.M. *et al.*, *J.O.C.*, 1973, **38**, 1186, (*synth*, *ir*, *nmr*)

Bunce, R.A. *et al.*, *Org. Prep. Proced. Int.*, 1995, **27**, 122, (*synth*, *ir*, *pmr*, *cmr*)

Grossi, L. *et al.*, *J.O.C.*, 2000, **65**, 2748-2754, (*synth*, *pmr*, *cmr*)