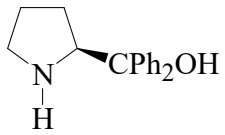
>>**Entry Name:** α,α-**Diphenyl-2-pyrrolidinemethanol,** 9CI
Synonym(s): 2-(Hydroxydiphenylmethyl)pyrrolidine. Diphenylprolinol. α-(2-Pyrrolidyl)benzhydrol



CAS Registry Number: 63401-04-7
Related CAS Registry Numbers(s): 35929-33-0 112068-08-3 144119-12-0

Molecular Formula: $C_{17}H_{19}NO$
Molecular Weight: 253.343
Accurate Mass: 253.146664
Percentage Composition: C 80.60%; H 7.56%; N 5.53%; O 6.32%

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

CAS Registry Number: 22348-32-9
Molecular Formula: $C_{17}H_{19}NO$
Molecular Weight: 253.343
Accurate Mass: 253.146664
Percentage Composition: C 80.60%; H 7.56%; N 5.53%; O 6.32%
Physical Description: Cryst. (Et_2O)
Melting Point: Mp 76-77°
Optical Rotation: $[\alpha]_D^{25}$+73.8 (c, 3.37 in $CHCl_3$)

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

CAS Registry Number: 112068-01-6
Molecular Formula: $C_{17}H_{19}NO$
Molecular Weight: 253.343
Accurate Mass: 253.146664
Percentage Composition: C 80.60%; H 7.56%; N 5.53%; O 6.32%
Use/Importance: Used for enantioselective reduction of ketones
Physical Description: Cryst. (hexane)
Melting Point: Mp 79-79.5° (74.0-74.8°)
Optical Rotation: $[\alpha]_D^{22}$–68.1 (c, 3.17 in $CHCl_3$) (99% ee)
Aldrich: 36819-9

>>**Derivative:** Sulfate

Melting Point: Mp 275-290°

>>**Derivative:** *N*-Me
Synonym(s): 2-(Methoxydiphenylmethyl)-1-methylpyrrolidine. DPMPM

CAS Registry Number: 110529-22-1
Molecular Formula: $C_{18}H_{21}NO$
Molecular Weight: 267.37
Accurate Mass: 267.162314
Percentage Composition: C 80.86%; H 7.92%; N 5.24%; O 5.98%
Use/Importance: Chiral catalyst
Physical Description: Cryst. (hexane)
Melting Point: Mp 65.8-68.9°
Optical Rotation: $[\alpha]_D^{23}$+57 (c, 1 in $CHCl_3$)
Aldrich: 42325-4
Fluka: 43119

>>**Variant:** (±)-form

Molecular Formula: $C_{17}H_{19}NO$
Molecular Weight: 253.343
Accurate Mass: 253.146664
Percentage Composition: C 80.60%; H 7.56%; N 5.53%; O 6.32%
Physical Description: Cryst. (EtOH aq.)
Melting Point: Mp 82-83°