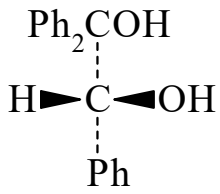
>>**Entry Name: 1,1,2-Triphenyl-1,2-ethanediol,** 9CI
Synonym(s): Triphenylethyleneglycol



(*R*)-*form*

CAS Registry Number: 6296-95-3
Related CAS Registry Numbers(s): 89559-96-6

Molecular Formula: $C_{20}H_{18}O_2$
Molecular Weight: 290.361
Accurate Mass: 290.13068
Percentage Composition: C 82.73%; H 6.25%; O 11.02%

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

CAS Registry Number: 95061-46-4
Molecular Formula: $C_{20}H_{18}O_2$
Molecular Weight: 290.361
Accurate Mass: 290.13068
Percentage Composition: C 82.73%; H 6.25%; O 11.02%
Physical Description: Cryst. (CH_2Cl_2)
Melting Point: Mp 128-129° (126°)
Optical Rotation: $[\alpha]_D^{20}$+220 (c, 1 in 95% EtOH)
Aldrich: 37651-5
Fluka: 92923

>>**Derivative:** 2-Ac
Synonym(s): (*R*)-HYTRA

CAS Registry Number: 95061-47-5
Molecular Formula: $C_{22}H_{20}O_3$
Molecular Weight: 332.398
Accurate Mass: 332.141245
Percentage Composition: C 79.50%; H 6.06%; O 14.44%
Use/Importance: Chiral reagent for stereoselective aldol reactions. Used in synth. of β-hydroxycarboxylic acids
Physical Description: Cryst. by subl.
Melting Point: Mp 249-251°
Optical Rotation: $[\alpha]_D^{20}$+218 (c, 1 in Py)
Aldrich: 37650-7

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

CAS Registry Number: 108998-83-0
Molecular Formula: $C_{20}H_{18}O_2$
Molecular Weight: 290.361
Accurate Mass: 290.13068
Percentage Composition: C 82.73%; H 6.25%; O 11.02%
Physical Description: Cryst. (MeOH/hexane)
Melting Point: Mp 128°. Mp 241°
Optical Rotation: $[\alpha]_D$ –228 (c, 1.32 in $CHCl_3$)
Aldrich: 36743-5
Fluka: 93030