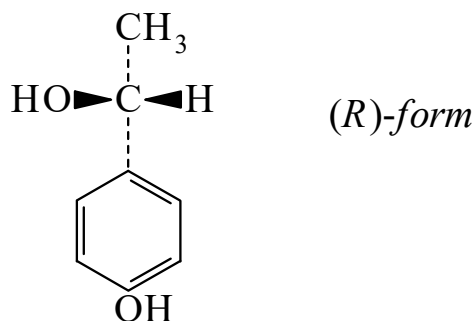




>>Entry Name: 1-(4-Hydroxyphenyl)ethanol

Synonym(s): 4-Hydroxy- α -methylbenzenemethanol, 9Cl. *p*-Hydroxy- α -methylbenzyl alcohol, 8Cl. 4-(1-Hydroxyethyl)phenol



CAS Registry Number: 2380-91-8

Related CAS Registry Numbers(s): 1572-97-0

Molecular Formula: C₈H₁₀O₂

Molecular Weight: 138.166

Accurate Mass: 138.06808

Percentage Composition: C 69.55%; H 7.29%; O 23.16%

Biological Source: One of many minor components isol. from *Parastrephia lepidophylla*

>>Variant: (R)-form

CAS Registry Number: 129830-97-3

Molecular Formula: C₈H₁₀O₂

Molecular Weight: 138.166

Accurate Mass: 138.06808

Percentage Composition: C 69.55%; H 7.29%; O 23.16%

Physical Description: Rhombic prismatic plates

Melting Point: Mp 157-158°

Optical Rotation: $[\alpha]_D^{20} +47.5$ (c, 5.06 in EtOH) (>99.7% ee)

>>Derivative: 4'-Me ether

Synonym(s): 1-(4-Methoxyphenyl)ethanol

CAS Registry Number: 1517-70-0

Molecular Formula: C₉H₁₂O₂

Molecular Weight: 152.193

Accurate Mass: 152.08373

Percentage Composition: C 71.03%; H 7.95%; O 21.03%

Optical Rotation: $[\alpha]_D^{25} +31.1$ (c, 2.54 in EtOH)

>>Derivative: 4'-Me ether, Ac

CAS Registry Number: 104013-23-2

Optical Rotation: $[\alpha]_D +74.1$ (CH₂Cl₂)

>>Variant: (S)-form

CAS Registry Number: 93781-59-0

Molecular Formula: C₈H₁₀O₂

Molecular Weight: 138.166

Accurate Mass: 138.06808

Percentage Composition: C 69.55%; H 7.29%; O 23.16%

Physical Description: Plates or needles (dimorph.)

Melting Point: Mp 115-118°. Mp 157-159°

Optical Rotation: $[\alpha]_D^{20} -47.5$ (c, 4.98 in EtOH) (>99.7% ee)

>>Derivative: 4'-Me ether

Optical Rotation: $[\alpha]_D^{20} -55.4$ (c, 1.97 in CHCl₃)