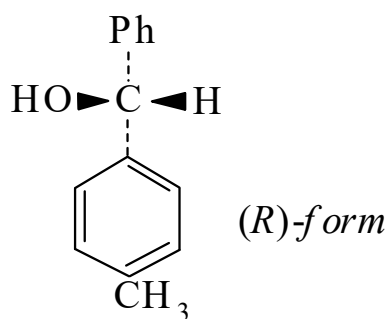




>>Entry Name: 4-Methyldiphenylmethanol

Synonym(s): 4-Methyl- α -phenylbenzenemethanol, 9Cl. 4-Methylbenzhydrol, 8Cl. α -Hydroxy-4-methyldiphenylmethane. Phenyl-*p*-tolylcarbinol



CAS Registry Number: 1517-63-1

Molecular Formula: C₁₄H₁₄O

Molecular Weight: 198.264

Accurate Mass: 198.104465

Percentage Composition: C 84.81%; H 7.12%; O 8.07%

Aldrich: 18995-2

>>Variant: (*R*)-form

CAS Registry Number: 38379-45-2

Molecular Formula: C₁₄H₁₄O

Molecular Weight: 198.264

Accurate Mass: 198.104465

Percentage Composition: C 84.81%; H 7.12%; O 8.07%

Optical Rotation: $[\alpha]_{\text{D}}^{22} +10$

>>Variant: (*S*)-form

CAS Registry Number: 24218-12-0

Molecular Formula: C₁₄H₁₄O

Molecular Weight: 198.264

Accurate Mass: 198.104465

Percentage Composition: C 84.81%; H 7.12%; O 8.07%

Melting Point: Mp 57-68°

Optical Rotation: $[\alpha]_{435}^{24} -8.18$ (c, 0.409)

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

Molecular Formula: C₁₄H₁₄O

Molecular Weight: 198.264

Accurate Mass: 198.104465

Percentage Composition: C 84.81%; H 7.12%; O 8.07%

Use/Importance: Antihistamine

Physical Description: Needles (petrol)

Melting Point: Mp 52-53° (58°, 42°)

>>Derivative: Hydrogen phthalate

Physical Description: Needles (EtOH aq.)

Melting Point: Mp 120-122°

>>Derivative: Benzoyl

CAS Registry Number: 71482-22-9

Molecular Formula: C₂₁H₁₈O₂

Molecular Weight: 302.372

Accurate Mass: 302.13068

Percentage Composition: C 83.42%; H 6.00%; O 10.58%

Physical Description: Needles (EtOH)

Melting Point: Mp 81-82°

>>Derivative: Me ether