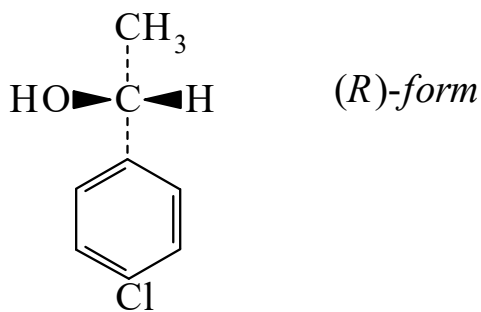




>>Entry Name: 1-(4-Chlorophenyl)ethanol

Synonym(s): 4-Chloro- α -methylbenzenemethanol, 9CI



CAS Registry Number: 3391-10-4

Molecular Formula: C₈H₉ClO

Molecular Weight: 156.611

Accurate Mass: 156.034192

Percentage Composition: C 61.35%; H 5.79%; Cl 22.64%; O 10.22%

Aldrich: 14755-9

Rare Chemicals Library: S43441-8

>>Variant: (R)-form

CAS Registry Number: 75968-40-0

Molecular Formula: C₈H₉ClO

Molecular Weight: 156.611

Accurate Mass: 156.034192

Percentage Composition: C 61.35%; H 5.79%; Cl 22.64%; O 10.22%

Physical Description: Liq.

Boiling Point: Bp₁₀ 128-129°

Optical Rotation: $[\alpha]_{\text{D}}^{21} +49.9$ (c, 2.0 in Et₂O)

>>Variant: (S)-form

CAS Registry Number: 99528-42-4

Molecular Formula: C₈H₉ClO

Molecular Weight: 156.611

Accurate Mass: 156.034192

Percentage Composition: C 61.35%; H 5.79%; Cl 22.64%; O 10.22%

Physical Description: Liq.

Boiling Point: Bp₂₀ 133-136°

Optical Rotation: $[\alpha]_{\text{D}}^{23} -54$ (neat). $[\alpha]_{\text{D}}^{27} -47$ (c, 2.1 in Et₂O)

Density: d₄²⁵ 1.16

>>Derivative: Ac

CAS Registry Number: 137408-28-7

Molecular Formula: C₁₀H₁₁ClO₂

Molecular Weight: 198.648

Accurate Mass: 198.044757

Percentage Composition: C 60.46%; H 5.58%; Cl 17.85%; O 16.11%

Physical Description: Liq.

>>Derivative: 4-Nitrobenzoyl

CAS Registry Number: 99441-27-7

Physical Description: Cryst.

Melting Point: Mp 58-59°

Optical Rotation: $[\alpha]_{\text{D}}^{25} +32$ (c, 1.0 in C₆H₆)