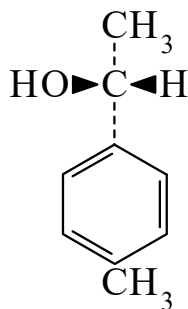




>>Entry Name: 1-(4-Methylphenyl)ethanol

ENTRY UNDER REVIEW

Synonym(s): α ,4-Dimethylbenzenemethanol, 9CI. α ,4-Dimethylbenzyl alcohol, 8CI. 1-*p*-Tolyethanol. Methyl-*p*-tolylcarbinol. 4-(1-Hydroxyethyl)toluene. FEMA 3139



CAS Registry Number: 536-50-5

Molecular Formula: C₉H₁₂O

Molecular Weight: 136.193

Accurate Mass: 136.088815

Percentage Composition: C 79.37%; H 8.88%; O 11.75%

Biological Source: Isol. from rhizomes of *Curcuma domestica*

Hazard & Toxicity: LD₅₀ (rat, orl) 2800 mg/kg

Fluka: 90000

Rare Chemicals Library: S41928-1

>>Variant: (*R*)-form

CAS Registry Number: 42070-92-8

Molecular Formula: C₉H₁₂O

Molecular Weight: 136.193

Accurate Mass: 136.088815

Percentage Composition: C 79.37%; H 8.88%; O 11.75%

Physical Description: Liq.

Boiling Point: Bp₁₀ 101.5°

Optical Rotation: $[\alpha]_D^{22} +56$ (liq.)

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

CAS Registry Number: 5788-09-0

Molecular Formula: C₉H₁₂O

Molecular Weight: 136.193

Accurate Mass: 136.088815

Percentage Composition: C 79.37%; H 8.88%; O 11.75%

Physical Description: Thick oil with an odour reminiscent of menthol

Boiling Point: Bp 219°. Bp₈ 102°

>>Derivative: Phenylurethane

Melting Point: Mp 94.5-95°

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