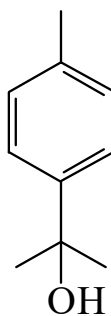




>>Entry Name: 2-(4-Methylphenyl)-2-propanol

ENTRY UNDER REVIEW

Synonym(s): $\alpha,\alpha,4$ -Trimethylbenzenemethanol, 9CI. $\alpha,\alpha,4$ -Trimethylbenzyl alcohol, 8CI. Dimethyl-*p*-tolylcarbinol. α -Hydroxy-*p*-cymene. *p*-(Hydroxyisopropyl)toluene. 8-*p*-Cymenol. *p*-Mentha-1,3,5-trien-8-ol. FEMA 3242



CAS Registry Number: 1197-01-9

Molecular Formula: C₁₀H₁₄O

Molecular Weight: 150.22

Accurate Mass: 150.104465

Percentage Composition: C 79.96%; H 9.39%; O 10.65%

Biological Source: Occurs in essential oils, e.g. *Citrus reticulata* and various fresh fruits. Flavouring ingredient

Melting Point: Mp 9°

Boiling Point: Bp₇₅ 145°. Bp₁₆ 112°

Density: d²⁰ 0.975

Refractive Index: n_D²⁰ 1.5173

Aldrich: W32420-5

Rare Chemicals Library: S68068-0

>>Derivative: Phenylurethane

Melting Point: Mp 119-120°

>>Derivative: Me ether

Synonym(s): 1-(1-Methoxy-1-methylethyl)-4-methylbenzene. 8-Methoxy-*p*-cymene. 8-Methoxy-*p*-mentha-1,3,5-triene

Molecular Formula: C₁₁H₁₆O

Molecular Weight: 164.247

Accurate Mass: 164.120115

Percentage Composition: C 80.44%; H 9.82%; O 9.74%

Biological Source: Isol. from lime (*Citrus aurantifolia*) oil

Physical Description: Liq.

Boiling Point: Bp₉ 90-94°

Density: d²⁰ 0.934

Refractive Index: n_D²⁰ 1.4958

>>Derivative: Et ether

Molecular Formula: C₁₂H₁₈O

Molecular Weight: 178.274

Accurate Mass: 178.135765

Percentage Composition: C 80.85%; H 10.18%; O 8.97%

Boiling Point: Bp_{0.5} 63-63.5°

References:

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Marayama, K. *et al.*, *Nippon Kagaku Kaishi*, 1960, **81**, 1883; *CA*, **56**, 3385, (*synth*)

Oki, M. *et al.*, *Bull. Chem. Soc. Jpn.*, 1963, **36**, 1, (*pmr*)

Kugler, E. *et al.*, *Helv. Chim. Acta*, 1963, **46**, 1480, (*isol*)