



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

Synonym(s): 4-Methylbenzeneethanol, 9Cl. *p*-Methylphenethyl alcohol, 8Cl. Syringa alcohol. Fliedenol

CAS Registry Number: 699-02-5

Molecular Formula: C₉H₁₂O

Molecular Weight: 136.193

Accurate Mass: 136.088815

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

Boiling Point: Bp 222°. Bp 244-245°. Bp_{1.2} 85°

Optical Rotation: [α]_D²⁰ +1.53

Density: d 1.01

Refractive Index: n_D²⁰ 1.5260

Aldrich: 18815-8

>>Derivative: Ac

CAS Registry Number: 22532-47-4

Molecular Formula: C₁₁H₁₄O₂

Molecular Weight: 178.23

Accurate Mass: 178.09938

Percentage Composition: C 74.13%; H 7.92%; O 17.95%

Use/Importance: Used in soap perfumery

Boiling Point: Bp 233°. Bp₁₁ 121-121.5°

Density: d 1.03

Refractive Index: n_D²⁵ 1.4976

References:

Ramsden, H.E. *et al.*, *J.O.C.*, 1957, **22**, 1202, (*synth*)

Pines, H. *et al.*, *J.O.C.*, 1961, **26**, 4220, (*props*)

Taylor, R.T. *et al.*, *J.A.C.S.*, 1962, **84**, 4817, (*Ac*)

Spengler, G. *et al.*, *Brennst.-Chem.*, 1969, **50**, 14, (*synth*)

Andier, H.E. *et al.*, *Bull. Soc. Chim. Fr.*, 1971, 858, (*ms*)

Kirchner, H.H. *et al.*, *Ber. Bunsen-Ges. Phys. Chem.*, 1977, **81**, 1250; *CA*, **88**, 88682z, (*ir, conformn*)

Lambert, J.B. *et al.*, *J.A.C.S.*, 1977, **99**, 3059, (*synth*)