



>>Entry Name: 1-(2-Naphthalenyl)ethanol

Synonym(s): α -Methyl-2-naphthalenemethanol, 9Cl, 8Cl. Methyl-2-naphthylcarbinol. α -Hydroxy-2-ethylnaphthalene

CAS Registry Number: 7228-47-9

Molecular Formula: C₁₂H₁₂O

Molecular Weight: 172.226

Accurate Mass: 172.088815

Percentage Composition: C 83.69%; H 7.02%; O 9.29%

Aldrich: 19299-6

>>Variant: (R)-form

CAS Registry Number: 52193-85-8

Molecular Formula: C₁₂H₁₂O

Molecular Weight: 172.226

Accurate Mass: 172.088815

Percentage Composition: C 83.69%; H 7.02%; O 9.29%

Physical Description: Cryst.

Melting Point: Mp 71-72°

Optical Rotation: [α]_D +41.3 (EtOH)

Other Data: Abs. config. apparently not proven

Aldrich: 34621-7

Fluka: 70696

>>Variant: (S)-form

CAS Registry Number: 27544-18-9

Molecular Formula: C₁₂H₁₂O

Molecular Weight: 172.226

Accurate Mass: 172.088815

Percentage Composition: C 83.69%; H 7.02%; O 9.29%

Physical Description: Cryst.

Melting Point: Mp 71-72°

Optical Rotation: [α]_D -41.9 (EtOH)

Aldrich: 32314-4

Fluka: 70698

Sigma: M7275

>>Variant: (±)-form

CAS Registry Number: 40295-80-5

Molecular Formula: C₁₂H₁₂O

Molecular Weight: 172.226

Accurate Mass: 172.088815

Percentage Composition: C 83.69%; H 7.02%; O 9.29%

Physical Description: Cryst.

Melting Point: Mp 73-78°

Boiling Point: Bp 178-188°

Fluka: 70700

References:

Aldrich Library of ¹³C and ¹H FT NMR Spectra, 1992, **2**, 381A; 381B; 383B, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 1151B, (*ir*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 1073B, (*ir*)

Collyer, T.A. *et al.*, *J.C.S.*, 1940, 676, (*resoln*)

Bacon, R.G.R. *et al.*, *J.C.S.*, 1961, 2436, (*synth*)

Sugimoto, T. *et al.*, *Chem. Comm.*, 1978, 926, (*synth*)