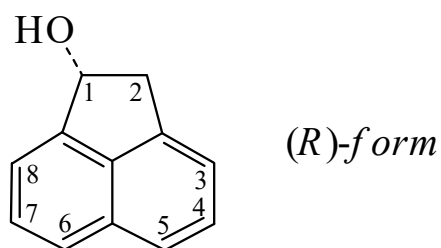




>>Entry Name: 1-Acenaphthenol, 8Cl

Synonym(s): 1,2-Dihydro-1-acenaphthylenol, 9Cl. 1-Hydroxyacenaphthene



CAS Registry Number: 6306-07-6

Molecular Formula: C₁₂H₁₀O

Molecular Weight: 170.21

Accurate Mass: 170.073165

Percentage Composition: C 84.68%; H 5.92%; O 9.40%

Aldrich: A40-6

Fluka: 50

>>Variant: (R)-form

Molecular Formula: C₁₂H₁₀O

Molecular Weight: 170.21

Accurate Mass: 170.073165

Percentage Composition: C 84.68%; H 5.92%; O 9.40%

Melting Point: Mp 127-127.5°

Optical Rotation: [α]_D -1.46 (c, 1.23 in CHCl₃)

>>Variant: (±)-form

Molecular Formula: C₁₂H₁₀O

Molecular Weight: 170.21

Accurate Mass: 170.073165

Percentage Composition: C 84.68%; H 5.92%; O 9.40%

Physical Description: Needles (EtOH or C₆H₆)

Melting Point: Mp 148° (144.5-145.5°)

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **2**, 382B, (nmr)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 1150C, (ir)

Cason, J. *et al.*, *J.A.C.S.*, 1940, **62**, 432, (synth)

Org. Synth., 1941, **21**, 1, (synth)

Pratt, E.F. *et al.*, *J.O.C.*, 1961, **26**, 2973, (synth)

Gupta, M.P. *et al.*, *Acta Cryst. B*, 1975, **31**, 7, (cryst struct)

Hu, Y. *et al.*, *Can. J. Chem.*, 1989, **67**, 60, (resoln, cryst struct, abs config)