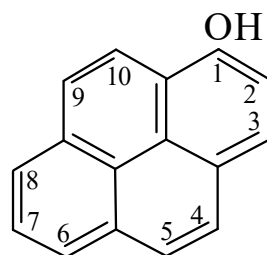




>>Entry Name: 1-Pyrenol, 9CI

Synonym(s): 1-Hydroxypyrene. 3-Hydroxypyrene (obsol.)



CAS Registry Number: 5315-79-7

Molecular Formula: C₁₆H₁₀O

Molecular Weight: 218.254

Accurate Mass: 218.073165

Percentage Composition: C 88.05%; H 4.62%; O 7.33%

Physical Description: Yellow cryst. (C₆H₆)

Melting Point: Mp 179-181°

Aldrich: 36151-8

>>Derivative: Me ether

Synonym(s): 1-Methoxypyrene

CAS Registry Number: 34246-96-3

Molecular Formula: C₁₇H₁₂O

Molecular Weight: 232.281

Accurate Mass: 232.088815

Percentage Composition: C 87.91%; H 5.21%; O 6.89%

Melting Point: Mp 87° (93°)

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **2**, 314C, (*nmr*)

Vollman, H. *et al.*, *Annalen*, 1937, **531**, 1

Jones, R.N., *J.A.C.S.*, 1945, **67**, 2127, (*uv*)

Org. Synth., 1968, **48**, 94, (*synth*)

Tintel, C. *et al.*, *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1983, **102**, 224, (*synth, pmr*)

Sehgal, R.K. *et al.*, *Org. Prep. Proced. Int.*, 1989, **21**, 223, (*synth*)

Yamato, T. *et al.*, *Org. Prep. Proced. Int.*, 1997, **29**, 321, (*Me ether*)