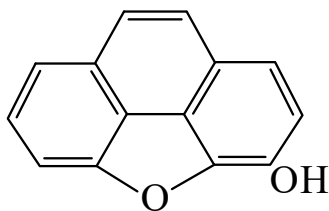




>>Entry Name: Phenanthro[4,5-*bcd*]furan-3-ol, 9CI

Synonym(s): 3-Hydroxyphenanthro[4,5-*bcd*]furan. 3-Hydroxy-4,5-phenanthrylene oxide. Morphenol



CAS Registry Number: 519-56-2

Molecular Formula: C₁₄H₈O₂

Molecular Weight: 208.216

Accurate Mass: 208.05243

Percentage Composition: C 80.76%; H 3.87%; O 15.37%

Source/Synthesis: Degradn. prod. of Morphine [BCN23-S](#) and Codeine [HDV94-X](#)

Physical Description: Needles (C₆H₆)

Melting Point: Mp 145°

References:

Vongerichten, E., *Ber.*, 1897, **30**, 2439, (*isol*)

Mosettig, E. *et al.*, *J.A.C.S.*, 1934, **56**, 2738, (*isol*)

Horaguchi, T. *et al.*, *Bull. Chem. Soc. Jpn.*, 1974, **47**, 485, (*synth, uv, ir, pmr*)

Merck Index, 10th edn., 1983, No. 6126

Hewgill, F.R. *et al.*, *Chem. Comm.*, 1984, 1419, (*synth*)