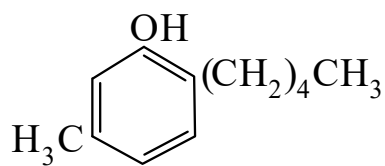




>>Entry Name: 5-Methyl-2-pentylphenol, 9CI

Synonym(s): 6-Pentyl-*m*-cresol. Amylmetacresol, BAN, INN. 4-Amyl-*m*-cresol (obsol.). Mac



CAS Registry Number: 1300-94-3

Related CAS Registry Numbers(s): 53043-14-4

Molecular Formula: C₁₂H₁₈O

Molecular Weight: 178.274

Accurate Mass: 178.135765

Percentage Composition: C 80.85%; H 10.18%; O 8.97%

Use/Importance: Antiinfective agent; used in throat lozenges, etc. for the treatment of minor mouth and throat infections

Melting Point: Mp 24°

Boiling Point: Bp₁₅ 137-139°

Solubility: Insol. H₂O, sol. EtOH

Calculated Log P Data: Log P 4.59 (calc)

Hazard & Toxicity: LD₅₀ (rat, orl) 1500 mg/kg

References:

Coulthard, C.E. *et al.*, *J.C.S.*, 1930, 280, (*synth*)

Sykes, G., *J. Appl. Bacteriol.*, 1970, **33**, 147, (*use*)

Martindale, *The Extra Pharmacopoeia*, 30th edn., Pharmaceutical Press, 1993, 785

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, AOH250