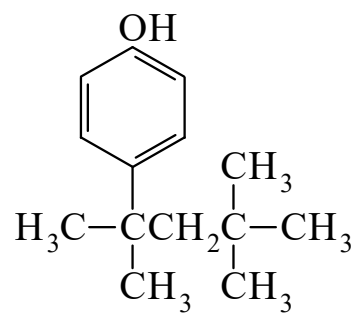




>>Entry Name: 4-(1,1,3,3-Tetramethylbutyl)phenol

Synonym(s): 4-*tert*-Octylphenol. 2-(4-Hydroxyphenyl)-2,4,4-trimethylpentane



CAS Registry Number: 140-66-9

Related CAS Registry Numbers(s): 1758-45-8 3001-56-7 24219-33-8 27193-28-8 40835-97-0 59388-61-3 62105-41-3 67554-50-1 81349-11-3

Molecular Formula: C₁₄H₂₂O

Molecular Weight: 206.327

Accurate Mass: 206.167065

Percentage Composition: C 81.50%; H 10.75%; O 7.75%

Source/Synthesis: Obt. by alkylation of Phenol [BLS38-K](#) with 2,4,4-Trimethyl-1-pentene [CTN12-O](#) under acid catalysis

Use/Importance: Used in the production of phenolic resins and uv stabilisers

Physical Description: Solid

Melting Point: Mp 81-83°

Boiling Point: Bp 290°

Aldrich: 29082-3

Fluka: 75070

Rare Chemicals Library: S60263-9

Other: PB 002125

References:

Buryan, P. *et al.*, *Coll. Czech. Chem. Comm.*, 1979, **44**, 2798-2814, (*ms*)

Cattrall, R.W. *et al.*, *Anal. Chim. Acta*, 1983, **155**, 235-242, (*cryst struct*)

Kirk-Othmer Encycl. Chem. Technol., 4th edn., Wiley, 1991, **2**, 113, (*props, use*)