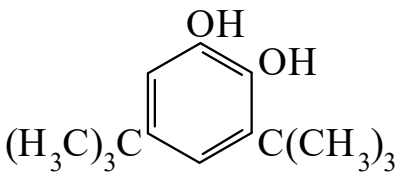
>>**Entry Name: 3,5-Di-*tert*-butyl-1,2-benzenediol**
Synonym(s): 3,5-Bis(1,1-dimethylethyl)-1,2-benzenediol, 9CI. 3,5-Di-*tert*-butylcatechol



CAS Registry Number: 1020-31-1

Molecular Formula: $C_{14}H_{22}O_2$
Molecular Weight: 222.327
Accurate Mass: 222.16198
Percentage Composition: C 75.63%; H 9.97%; O 14.39%
Use/Importance: Used as 0.017 *M* soln. in toluene for extraction-photometric detn. of B (λ_{max} 610 nm, ε 105000)
Physical Description: Cryst.
Melting Point: Mp 96-99°
Solubility: Sol. C_6H_6, toluene, $CHCl_3$

Aldrich: D4580-0
Fluka: 34635
Rare Chemicals Library: S26577-2

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **2**, 298A, *(nmr)*
Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 1103B, *(ir)*
Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 1038C, *(ir)*
Schulze, H. *et al.*, *Annalen*, 1952, **575**, 231, *(synth)*
Oshima, M. *et al.*, *Anal. Chem.*, 1984, **56**, 984, *(detn, B)*