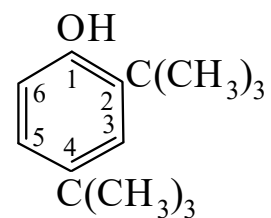




>>Entry Name: 2,4-Di-*tert*-butylphenol, 8CI
Synonym(s): 2,4-Bis(1,1-dimethylethyl)phenol, 9CI



CAS Registry Number: 96-76-4

Molecular Formula: C₁₄H₂₂O
Molecular Weight: 206.327
Accurate Mass: 206.167065
Percentage Composition: C 81.50%; H 10.75%; O 7.75%
Melting Point: Mp 56.5°
Boiling Point: Bp 263.5°. Bp₂₀ 146°
Hazard & Toxicity: Violent reactn. with HNO₃

Aldrich: 13773-1
Fluka: 34785

>>Derivative: Phosphite (3:1)
Synonym(s): Hostanox VP-PAR 24. Hostanox TM-PAR 24. Irgafos 168. Mark 2112. Phosphite 168

CAS Registry Number: 31570-04-4
Molecular Formula: C₄₂H₆₃O₃P
Molecular Weight: 646.932
Accurate Mass: 646.451482
Percentage Composition: C 77.98%; H 9.82%; O 7.42%; P 4.79%
Use/Importance: Stabiliser for polymers
Aldrich: 44179-1

>>Derivative: Phenylurethane

Melting Point: Mp 143°

>>Derivative: Benzoyl

Molecular Formula: C₂₁H₂₆O₂
Molecular Weight: 310.435
Accurate Mass: 310.19328
Percentage Composition: C 81.25%; H 8.44%; O 10.31%
Physical Description: Cryst. (EtOH)
Melting Point: Mp 98°

>>Derivative: Me ether
Synonym(s): 2,4-Di-*tert*-butyl-1-methoxybenzene. 2,4-Di-*tert*-butylanisole

CAS Registry Number: 17177-98-9
Molecular Formula: C₁₅H₂₄O
Molecular Weight: 220.354
Accurate Mass: 220.182715
Percentage Composition: C 81.76%; H 10.98%; O 7.26%
Melting Point: Mp 36-37°
Boiling Point: Bp₄ 114°

References: