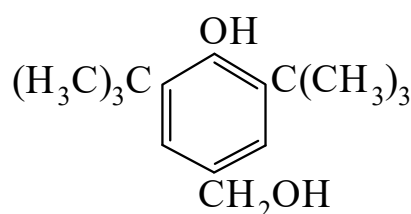




>>Entry Name: 2,6-Di-*tert*-butyl-4-hydroxymethylphenol

ENTRY UNDER REVIEW

Synonym(s): 3,5-Bis(1,1-dimethylethyl)-4-hydroxybenzenemethanol, 9CI. 3,5-Di-*tert*-butyl-4-hydroxybenzyl alcohol, 8CI. 4-Hydroxymethyl-2,6-di-*tert*-butylphenol. Ionox 100. Butylated hydroxymethylphenol



CAS Registry Number: 88-26-6

Molecular Formula: C₁₅H₂₄O₂

Molecular Weight: 236.353

Accurate Mass: 236.17763

Percentage Composition: C 76.23%; H 10.23%; O 13.54%

Metabolism: Metab. of 2,6-Di-*tert*-butyl-4-methylphenol [HCH42-H](#)

Use/Importance: Antioxidant

Physical Description: Cryst. (Et₂O/petrol)

Melting Point: Mp 141°

Boiling Point: Bp_{2.6} 162°

Hazard & Toxicity: Low oral acute toxicity

Aldrich: 44642-4

Rare Chemicals Library: S54933-9

Supelco: 4-7167

>>Derivative: 1'-*O*-Ac

CAS Registry Number: 14387-17-8

Molecular Formula: C₁₇H₂₆O₃

Molecular Weight: 278.391

Accurate Mass: 278.188195

Percentage Composition: C 73.35%; H 9.41%; O 17.24%

Melting Point: Mp 105-106° (98.5°)

>>Derivative: Di-Ac

CAS Registry Number: 13154-59-1

Molecular Formula: C₁₉H₂₈O₄

Molecular Weight: 320.428

Accurate Mass: 320.19876

Percentage Composition: C 71.22%; H 8.81%; O 19.97%

Boiling Point: Bp₇ 166-168°

>>Derivative: 1'-Me ether

Synonym(s): 2,6-Di-*tert*-butyl-4-(methoxymethyl)phenol. Ionol 4

CAS Registry Number: 87-97-8

Molecular Formula: C₁₆H₂₆O₂

Molecular Weight: 250.38

Accurate Mass: 250.19328

Percentage Composition: C 76.75%; H 10.47%; O 12.78%

Melting Point: Mp 99.5°

Rare Chemicals Library: S36788-5