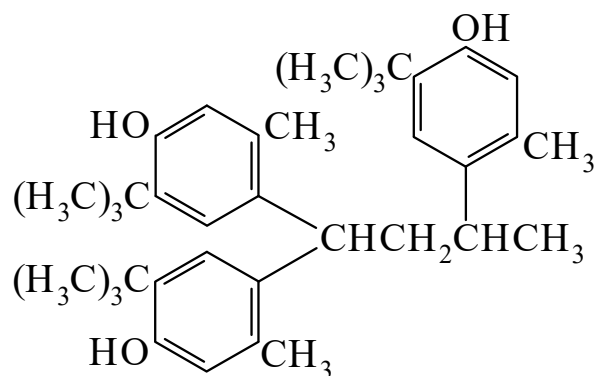




>>Entry Name: 1,1,3-Tris(5-*tert*-butyl-4-hydroxy-2-methylphenyl)butane

Synonym(s): 4,4',4''-(1-Methyl-1-propanyl-3-ylidene)tris[2-(1,1-dimethylethyl)-5-methylphenol], 9Cl. 4,4',4''-(1-Methyl-1-propanyl-3-ylidene)tris(6-*tert*-butyl-*m*-cresol), 8Cl. Tropanol CA



CAS Registry Number: 1843-03-4

Molecular Formula: C₃₇H₅₂O₃

Molecular Weight: 544.816

Accurate Mass: 544.391645

Percentage Composition: C 81.57%; H 9.62%; O 8.81%

Use/Importance: Antioxidant for polymers

Physical Description: Cryst. (toluene)

Melting Point: Mp 198.5-200°

Aldrich: 40798-4

>>Derivative: Triformyl

CAS Registry Number: 21982-27-4

Molecular Formula: C₄₀H₅₂O₆

Molecular Weight: 628.847

Accurate Mass: 628.37639

Percentage Composition: C 76.40%; H 8.33%; O 15.27%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 153.5-154°

>>Derivative: Tri-Ac

CAS Registry Number: 32690-96-3

Molecular Formula: C₄₃H₅₈O₆

Molecular Weight: 670.928

Accurate Mass: 670.42334

Percentage Composition: C 76.98%; H 8.71%; O 14.31%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 164°

References:

U.K. Pat., 1964, 951 935; CA, **61**, 5567c, (synth, use)

U.K. Pat., 1967, 1 082 204; CA, **68**, 77959f, (synth)

Kahovec, J. et al., Coll. Czech. Chem. Comm., 1968, **33**, 1709, (synth)

Fr. Pat., 1968, 1 541 931; CA, **71**, 21902b, (formate, synth)

U.S. Pat., 1984, 4 467 119; CA, **101**, 191331v, (synth)