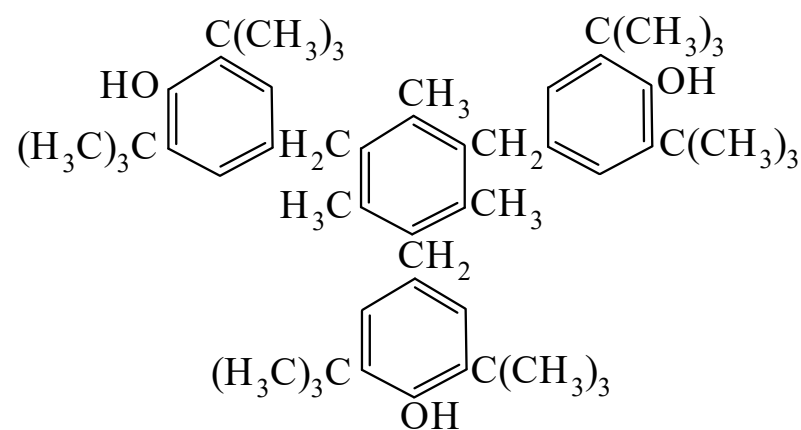




>>Entry Name: 1,3,5-Tris(3,5-di-*tert*-butyl-4-hydroxybenzyl)-1,3,5-trimethylbenzene

Synonym(s): 4,4',4''-[(2,4,6-Trimethyl-1,3,5-benzenetriyl)tris(methylene)]tris[2,6-bis(1,1-dimethylethyl)phenol], 9Cl. α,α',α'' -(2,4,6-Trimethyl-*s*-phenenyl)tris[2,6-di-*tert*-butyl-*p*-cresol], 8Cl. Ionox 330



CAS Registry Number: 1709-70-2

Molecular Formula: $C_{54}H_{78}O_3$

Molecular Weight: 775.208

Accurate Mass: 774.595095

Percentage Composition: C 83.67%; H 10.14%; O 6.19%

Use/Importance: Temperature-stable, odourless antioxidant for plastics, rubbers, etc. Well patented

Physical Description: Cryst. (CH_2Cl_2 /2,3,3-trimethylpentane)

Melting Point: Mp 244° (200-207°)

Hazard & Toxicity: LD₅₀ (rat, orl) 1500 mg/kg. Exp. teratogen

Aldrich: 41328-3

Rare Chemicals Library: S36530-0

References:

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Chetkina, L.A. *et al.*, *Dokl. Akad. Nauk SSSR, Ser. Khim.*, 1978, **242**, 103; *CA*, **89**, 189375, (*cryst struct*)

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