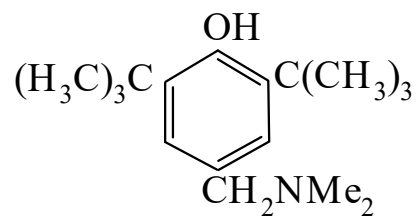




>>Entry Name: 2,6-Di-*tert*-butyl-4-(dimethylaminomethyl)phenol

Synonym(s): 4-[(Dimethylamino)methyl]-2,6-bis(1,1-dimethylethyl)phenol, 9CI. 2,6-Di-*tert*-butyl- α -(dimethylamino)-*p*-cresol, 8CI



CAS Registry Number: 88-27-7

Molecular Formula: C₁₇H₂₉NO

Molecular Weight: 263.422

Accurate Mass: 263.224914

Percentage Composition: C 77.51%; H 11.10%; N 5.32%; O 6.07%

Use/Importance: Antioxidant

Physical Description: Plates (EtOH)

Melting Point: Mp 94°

Boiling Point: Bp₄₀ 179°

Aldrich: 41327-5

>>Derivative: Hydrochloride

Melting Point: Mp 215-217 dec.°

References:

Sadtler Standard C-13 NMR Spectra, 1763, (*cmr*)

Sadtler Standard Infrared Spectra, 32404, (*ir*)

Sadtler Standard NMR Spectra, 6434, (*pmr*)

Sadtler Standard Ultraviolet Spectra, 3811, (*uv*)

Coffield, T.H. *et al.*, *J.A.C.S.*, 1957, **79**, 5019, (*synth*)

Kharasch, M.S. *et al.*, *J.O.C.*, 1957, **22**, 1435, (*synth*)