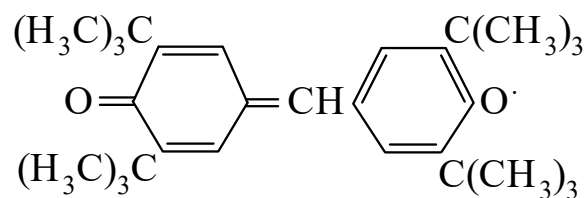




>>Entry Name: Galvinoxyl

Synonym(s): 2,6-Di-*tert*-butyl- α -(3,5-di-*tert*-butyl-4-oxo-2,5-cyclohexadien-1-ylidenyl)-*p*-tolyl-oxy. 4-[[3,5-Bis(1,1-dimethylethyl)-4-oxo-2,5-cyclohexadien-1-ylidene]methyl]-2,6-bis(1,1-dimethylethyl)phenoxy, 9Cl. Salvinoxyl. Coppinger's radical



CAS Registry Number: 2370-18-5

Molecular Formula: C₂₉H₄₁O₂

Molecular Weight: 421.642

Accurate Mass: 421.310655

Percentage Composition: C 82.61%; H 9.80%; O 7.59%

Use/Importance: Long-lived free radical, radical scavenger

Physical Description: Blue cryst. (EtOH)

Melting Point: Mp 157.5°

References:

Coppinger, G.M., *J.A.C.S.*, 1957, **79**, 501, (*synth, ir, uv*)

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

Fieser and Fieser's Reagents for Organic Synthesis, Wiley, 1967, **1**, 409

Kreilick, R.W., *Mol. Phys.*, 1968, **14**, 495, (*nmr*)

Williams, D.E., *Mol. Phys.*, 1969, **16**, 145, (*struct*)