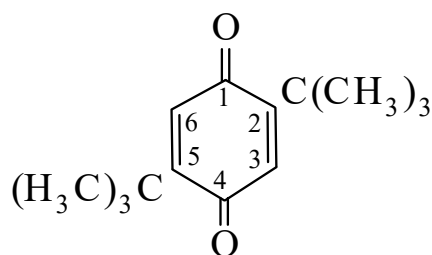




>>Entry Name: 2,5-Di-*tert*-butyl-1,4-benzoquinone

Synonym(s): 2,5-Bis(1,1-dimethylethyl)-2,5-cyclohexadiene-1,4-dione, 9Cl



CAS Registry Number: 2460-77-7

Molecular Formula: C₁₄H₂₀O₂

Molecular Weight: 220.311

Accurate Mass: 220.14633

Percentage Composition: C 76.33%; H 9.15%; O 14.52%

Biological Use/Importance: Lacks Ca²⁺-ATPase inhibitory activity of 2,5-Di-*tert*-butyl-1,4-benzenediol [MFJ00-B](#). Induces cell transformation in presence of a tumour promoter

Physical Description: Yellow cryst. (EtOH)

Melting Point: Mp 153°

Boiling Point: Bp_{0.01} 120° (subl.)

Aldrich: 41964-8

>>Derivative: Mono-oxime

Molecular Formula: C₁₄H₂₁NO₂

Molecular Weight: 235.325

Accurate Mass: 235.157229

Percentage Composition: C 71.46%; H 8.99%; N 5.95%; O 13.60%

Physical Description: Yellow cryst. (EtOH)

Melting Point: Mp 209°

References:

- Ramart-Lucas, P. *et al.*, *Bull. Soc. Chim. Fr.*, 1949, 53, (*deriv*)
Müller, E. *et al.*, *Annalen*, 1964, **671**, 61, (*synth*)
Rieker, A. *et al.*, *Z. Naturforsch., B*, 1969, **24**, 547, (*pmr, ir, uv*)
Bruce, J.M. *et al.*, *J.C.S. Perkin I*, 1972, 372, (*synth*)
Berger, S. *et al.*, *Tetrahedron*, 1972, **28**, 3123, (*cmr*)
Wictome, M. *et al.*, *Biochem. Biophys. Res. Commun.*, 1994, **199**, 916-921, (*pharmacol*)
Sakai, A. *et al.*, *Carcinogenesis (London)*, 1995, **16**, 477-481, (*pharmacol*)