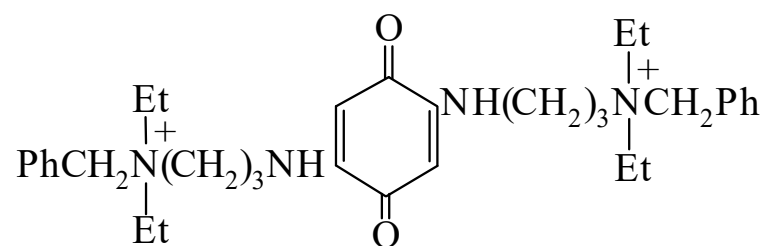




>>Entry Name: Benzoquinonium(2+)

Synonym(s): *N,N'*-[(3,6-Dioxo-1,4-cyclohexadiene-1,4-diyl)bis(imino-3,1-propanediyl)]bis[*N,N*-diethylbenzenemethanaminium](2+), 9Cl. [*p*-Benzoquinon-2,5-ylenebis(iminotrimethylene)]bis[benzyl-diethylammonium], 8Cl



CAS Registry Number: 7554-16-7

Molecular Formula: C₃₄H₅₀N₄O₂²⁽⁺⁾

Molecular Weight: 546.795

Accurate Mass: 546.393376

Percentage Composition: C 74.69%; H 9.22%; N 10.25%; O 5.85%

>>Derivative: Dichloride

Synonym(s): Benzoquinonium chloride, INN. Mytolon chloride. Amilyt. WIN 2747

CAS Registry Number: 311-09-1

Molecular Formula: C₃₄H₅₀Cl₂N₄O₂

Molecular Weight: 617.7

Accurate Mass: 616.33108

Percentage Composition: C 66.11%; H 8.16%; Cl 11.48%; N 9.07%; O 5.18%

Use/Importance: Skeletal muscle relaxant, ganglion blocking agent

Physical Description: Red cryst. (EtOH)

Melting Point: Mp 191-195°

Other Data: H₂O soln. stable for long periods

Hazard & Toxicity: LD₅₀ (mus, orl) 140 mg/kg. LD₅₀ (mus, scu) 2.5 mg/kg

References:

Cavallito, C.J. *et al.*, *J.A.C.S.*, 1950, **72**, 2661, (*synth*)

Bowman, W.C. *et al.*, *J. Pharm. Pharmacol.*, 1972, **24**, 762, (*pharmacol*)

Pereira, R.S. *et al.*, *J. Recept. Res.*, 1993, **13**, 413, (*pharmacol*)