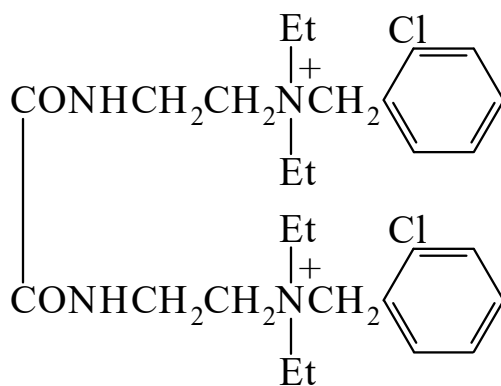




>>Entry Name: Ambenonium(2+)

Synonym(s): *N,N'*-(1,2-Dioxo-1,2-ethanediyl)bis(imino-2,1-ethanediyl)]bis(2-chloro-*N,N'*-diethyl)benzenemethanaminium, 9Cl. Mytelase



CAS Registry Number: 7648-98-8

Molecular Formula: $C_{28}H_{42}Cl_2N_4O_2^{2(+)}$

Molecular Weight: 537.571

Accurate Mass: 536.26848

Percentage Composition: C 62.56%; H 7.87%; Cl 13.19%; N 10.42%; O 5.95%

>>Derivative: Dichloride

Synonym(s): Ambenonium chloride, BAN, INN, JAN. Ambestigmin chloride. Myorgal. Mysuran. Oksazil. Oxazyl. Win 8077

CAS Registry Number: 115-79-7

Molecular Formula: $C_{28}H_{42}Cl_4N_4O_2$

Molecular Weight: 608.476

Accurate Mass: 606.206184

Percentage Composition: C 55.27%; H 6.96%; Cl 23.31%; N 9.21%; O 5.26%

Use/Importance: Cholinesterase inhibitor

Physical Description: Cryst.

Melting Point: Mp 196-199°

Solubility: Sol. H_2O

Hazard & Toxicity: LD₅₀ (rat, orl) 18.5 mg/kg

References:

U.S. Pat., 1964, 3 096 373; *CA*, **60**, 453, (synth)

Martindale, The Extra Pharmacopoeia, 30th edn., Pharmaceutical Press, 1993, 1112

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, MSC100