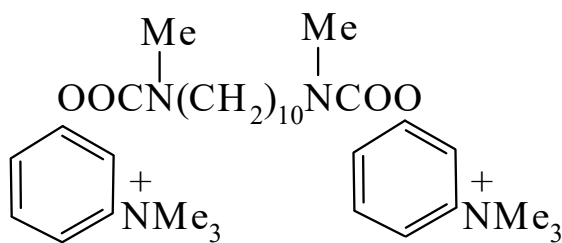




>>Entry Name: Demecarium(2+)

Synonym(s): 3,3'-[1,10-Decanediy]bis[(methylimino)carbonyloxy]]bis[*N,N,N*-trimethylbenzenaminium], 9Cl. (*m*-Hydroxyphenyl)trimethylammonium decamethylenebis[methylcarbamate] (2:1) ester, 8Cl



Molecular Formula: C₃₂H₅₂N₄O₄²⁽⁺⁾

Molecular Weight: 556.787

Accurate Mass: 556.398856

Percentage Composition: C 69.03%; H 9.41%; N 10.06%; O 11.49%

>>Derivative: Dibromide

Synonym(s): Demecarium bromide, BAN, INN, JAN. Frumtosnil. Humorsol. Tonilen. Tosmicil. Tosmilen. Visumatic. Visumistic. BC 48

CAS Registry Number: 56-94-0

Molecular Formula: C₃₂H₅₂Br₂N₄O₄

Molecular Weight: 716.595

Accurate Mass: 714.275528

Percentage Composition: C 53.64%; H 7.31%; Br 22.30%; N 7.82%; O 8.93%

Use/Importance: Ophthalmic cholinergic agent. Used to treat glaucoma

Physical Description: Hygroscopic powder

Melting Point: Mp 162-167 dec.°

Solubility: Insol. Et₂O, sl. sol. Me₂CO

References:

Austrian Pat., 1958, 195 439; *CA*, **52**, 9223d, (*synth*)

Joshi, L.D. *et al.*, *J. Pharm. Pharmacol.*, 1964, **16**, 763, (*pharmacol*)

Martindale, The Extra Pharmacopoeia, 30th edn., Pharmaceutical Press, 1993, 1114