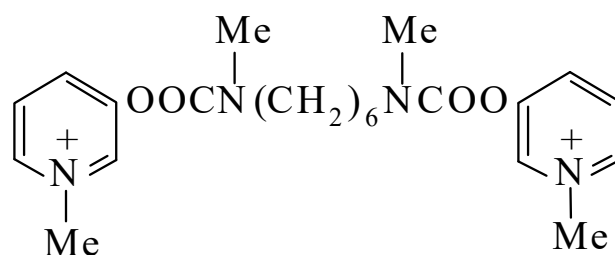




>>Entry Name: Distigmine(2+)

Synonym(s): 3,3'-[1,6-Hexanediylbis[(methylimino)carbonyl]oxy]bis[1-methylpyridinium], 9Cl. 3-Hydroxy-1-methylpyridinium hexamethylenebis(methylcarbamate), 8Cl. Hexamarium



CAS Registry Number: 4685-07-8

Molecular Formula: C₂₂H₃₂N₄O₄²⁽⁺⁾

Molecular Weight: 416.519

Accurate Mass: 416.242356

Percentage Composition: C 63.44%; H 7.74%; N 13.45%; O 15.36%

>>Derivative: Dibromide

Synonym(s): Distigmine bromide, BAN, INN, JAN. Tonus-Lab. Ubretid. Ubritil. BC 51

CAS Registry Number: 15876-67-2

Type of Compound Code(s): XA1300 XA4200

Molecular Formula: C₂₂H₃₂Br₂N₄O₄

Molecular Weight: 576.327

Accurate Mass: 574.119028

Percentage Composition: C 45.85%; H 5.60%; Br 27.73%; N 9.72%; O 11.10%

Use/Importance: Cholinesterase inhibitor, ganglionic blocking agent

Melting Point: Mp 149 dec.°

Hazard & Toxicity: LD₅₀ (rat, orl) 10 mg/kg

References:

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Hertting, G. *et al.*, *Arzneim.-Forsch.*, 1968, **18**, 479, (*metab*)

Kuhnert-Brandstaetter, M. *et al.*, *Sci. Pharm.*, 1974, **42**, 150, (*uv*)

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