



>>Entry Name: Azamethonium(2+)

Synonym(s): 2,2'-(Methylimino)bis[*N*-ethyl-*N,N*-dimethylethanaminium], 9Cl. [(Methylimino)diethylene]bis[ethyldimethylammonium], 8Cl. Pentamethazene

CAS Registry Number: 60-30-0

$\text{Me}_2\text{EtN}^{(+)}\text{CH}_2\text{CH}_2\text{NMeCH}_2\text{CH}_2\text{N}^{(+)}\text{EtMe}_2$

Molecular Formula: $\text{C}_{13}\text{H}_{33}\text{N}_3^{2(+)}$

Molecular Weight: 231.424

Accurate Mass: 231.267447

Percentage Composition: C 67.47%; H 14.37%; N 18.16%

>>Derivative: Dibromide

Synonym(s): Azamethonium bromide, BAN, INN. Azamethane. Azameton. Ganlion. Hypotensin. Pendiomid. Pentamin. Pentamon. C 9295

CAS Registry Number: 306-53-6

Molecular Formula: $\text{C}_{13}\text{H}_{33}\text{Br}_2\text{N}_3$

Molecular Weight: 391.232

Accurate Mass: 389.144119

Percentage Composition: C 39.91%; H 8.50%; Br 40.85%; N 10.74%

Use/Importance: Antihypertensive, ganglionic blocking agent

Physical Description: Prisms (EtOH/EtOAc)

Melting Point: Mp 212-215°

Solubility: V. sol. H_2O

Hazard & Toxicity: LD₅₀ (rbt, orl) 3000 mg/kg. LD₅₀ (rbt, ivn) 75 mg/kg

References:

Delaby, R. *et al.*, *C. R. Hebd. Seances Acad. Sci.*, 1953, **236**, 1976, (*synth*)

Golovkin, V.A., *Farmatsiya (Moscow)*, 1967, **16**, 63, (*cryst struct*)

Blackman, J.G. *et al.*, *Br. J. Pharmacol.*, 1975, **54**, 91, (*pharmacol*)

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