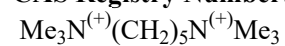




>>Entry Name: Pentamethonium(2+)

Synonym(s): *N,N,N,N',N',N'*-Hexamethyl-1,5-pentanediaminium, 9Cl. Pentamethylenebistrimethylammonium, 8Cl. Anticurasyn. Antilusin. Pentameton. C 5

CAS Registry Number: 2365-25-5



Molecular Formula: $\text{C}_{11}\text{H}_{28}\text{N}_2^{2(+)}$

Molecular Weight: 188.356

Accurate Mass: 188.225248

Percentage Composition: C 70.14%; H 14.98%; N 14.87%

>>Derivative: Dibromide

Synonym(s): **Pentamethonium bromide**, BAN, INN. Lytensium. Penthonium

CAS Registry Number: 541-20-8

Molecular Formula: $\text{C}_{11}\text{H}_{28}\text{Br}_2\text{N}_2$

Molecular Weight: 348.164

Accurate Mass: 346.10192

Percentage Composition: C 37.95%; H 8.11%; Br 45.90%; N 8.05%

Use/Importance: Antihypertensive, ganglion blocking agent

Physical Description: Hygroscopic cryst. with fishy odour

Development Status: No longer marketed

Hazard & Toxicity: LD₅₀ (mus, ivn) 62 mg/kg. LD₅₀ (rat, ipr) 78 mg/kg

>>Derivative: Diiodide

Synonym(s): **Pentamethonium iodide**, BAN

CAS Registry Number: 5282-80-4

Molecular Formula: $\text{C}_{11}\text{H}_{28}\text{I}_2\text{N}_2$

Molecular Weight: 442.165

Accurate Mass: 442.034194

Percentage Composition: C 29.88%; H 6.38%; I 57.40%; N 6.34%

Development Status: No longer marketed

Melting Point: Mp 295 dec.°

Hazard & Toxicity: LD₅₀ (mus, ivn) 51 mg/kg

Rare Chemicals Library: S76574-0

Other: PB P03610

References:

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Devaux, M.A. *et al.*, *Br. J. Pharmacol.*, 1983, **78**, 623, (*pharmacol*)
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