



>>Entry Name: Emepronium(1+)

Synonym(s): *N*-Ethyl-*N,N*, α -trimethyl- γ -phenylbenzenepropanaminium, 9Cl. Ethyldimethyl(1-methyl-3,3-diphenylpropyl)ammonium, 8Cl. Emeprone

CAS Registry Number: 27892-33-7

$\text{Ph}_2\text{CHCH}_2\text{CH}(\text{CH}_3)\text{N}^{(+)}\text{EtMe}_2$

Molecular Formula: $\text{C}_{20}\text{H}_{28}\text{N}^{(+)}$

Molecular Weight: 282.448

Accurate Mass: 282.222174

Percentage Composition: C 85.05%; H 9.99%; N 4.96%

>>Variant: ($\pm$)-form

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>>Derivative: Bromide

Synonym(s): Emepronium bromide, BAN, INN. Cetiprin. Detrulisin. Hexanium. Inkopax. Restenacht. Ripirin. Uro-Ripirin

CAS Registry Number: 3614-30-0

Type of Compound Code(s): XA2250

Molecular Formula: $\text{C}_{20}\text{H}_{28}\text{BrN}$

Molecular Weight: 362.352

Accurate Mass: 361.16051

Percentage Composition: C 66.29%; H 7.79%; Br 22.05%; N 3.87%

Biological Use/Importance: Anticholinergic, antispasmodic with atropine-like activity; used in the treatment of urinary disorders

Physical Description: Cryst.

Melting Point: Mp 204°

Hazard & Toxicity: LD₅₀ (rat, orl) 1000 mg/kg

References:

Swedish Pat., 1952, 136 606; *CA*, **48**, 729, (*synth*)

Sundwall, A. *et al.*, *Eur. J. Clin. Pharmacol.*, 1973, **6**, 191, (*metab*)

Pilbrant, A. *et al.*, *Acta Pharmacol. Toxicol.*, 1985, **56**, 289, (*pharmacol*)

Aasen, A.J. *et al.*, *Acta Chem. Scand., Ser. B*, 1988, **42**, 206

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