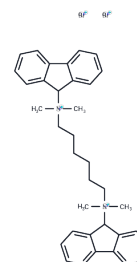


Hexafluronium Bromide

Chemical Properties

CAS No. :	317-52-2
Formula:	C ₃₆ H ₄₂ BrN ₂
Molecular Weight:	582.649
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Hexafluronium bromide is a neuromuscular blocker and nicotinic acetylcholine receptor antagonist used in anesthesiology to prolong and enhance the skeletal muscle relaxation of succinylcholine during surgery.
Targets(IC50)	Others,Cholinesterase (ChE)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7163 mL	8.5815 mL	17.163 mL
5 mM	0.3433 mL	1.7163 mL	3.4326 mL
10 mM	0.1716 mL	0.8581 mL	1.7163 mL
50 mM	0.0343 mL	0.1716 mL	0.3433 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

- Britton RM, Figueroa M. Hexafluorenium bromide: current status and a review. *Anesth Analg*. 1973 Jan-Feb;52(1): 100-5. Review. PubMed PMID: 4567515.
- Radnay PA, Badola RP, Dalsania A, El-Gawee EI, Duncalf D. Prevention of suxamethonium-induced changes in serum potassium concentration by hexafluorenium. Is their combined use justified? *Br J Anaesth*. 1979 May;51(5): 447-51. PubMed PMID: 444345.
- Radnay PA, El-Gawee ES, Novakovic M, Badola R, Cizmar S, Duncalf D. Prevention of succinylcholine induced hyperkalemia by neurolept anesthesia and hexafluorenium in anephric patients. *Anaesthesist*. 1981 Jul;30(7):334-7. PubMed PMID: 6455928.
- Scaf AH, Langendijk JW. The desensitizing interaction of hexafluorenium with the cholinergic receptor in the diaphragm of the rat. *Arch Int Pharmacodyn Ther*. 1977 Feb;225(2):196-207. PubMed PMID: 849069.

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