

Decamethonium

Chemical Properties

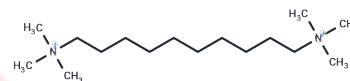
CAS No. : 156-74-1

Formula: C₁₆H₃₈N₂

Molecular Weight: 258.49

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	Decamethonium (Sincurine) is a depolarizing muscle relaxant or neuromuscular blocking agent, and is used in anesthesia to induce paralysis.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.8686 mL	19.3431 mL	38.6862 mL
5 mM	0.7737 mL	3.8686 mL	7.7372 mL
10 mM	0.3869 mL	1.9343 mL	3.8686 mL
50 mM	0.0774 mL	0.3869 mL	0.7737 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

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- Fuss J, Palii V, Voloboyeva A. Evaluating the Effectiveness of Antiseptic Solution Decasan in Treatment of Necrotic Soft Tissue Diseases. *Pol Przegl Chir*. 2016 Oct 1;88(5):233-237. doi: 10.1515/pjs-2016-0058. PubMed PMID: 27811344.
- Dym O, Song W, Felder C, Roth E, Shnyrov V, Ashani Y, Xu Y, Joosten RP, Weiner L, Sussman JL, Silman I. The impact of crystallization conditions on structure-based drug design: A case study on the methylene blue/acetylcholinesterase complex. *Protein Sci*. 2016 Jun;25(6):1096-114. doi: 10.1002/pro.2923. Epub 2016 Mar 28. PubMed PMID: 26990888; PubMed Central PMCID: PMC4941771.
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