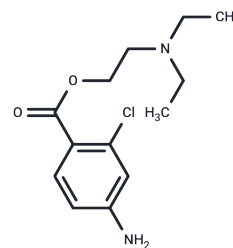


Chlorprocaine

Chemical Properties

CAS No. :	133-16-4
Formula:	C ₁₃ H ₁₉ ClN ₂ O ₂
Molecular Weight:	270.76
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	Chlorprocaine (2-Chloroprocaine) is an effective Na,K-ATPase activity inhibitor with an IC ₅₀ of 13 mM. Chlorprocaine is a local anesthetic that blocks peripheral nerve [1].
Targets(IC ₅₀)	ATPase,Others
In vivo	The intravenous LD ₅₀ of Chlorprocaine hydrochloride is 97 mg/kg and the subcutaneous LD ₅₀ of Chlorprocaine hydrochloride is 950 mg/kg in mice[2].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.6933 mL	18.4665 mL	36.9331 mL
5 mM	0.7387 mL	3.6933 mL	7.3866 mL
10 mM	0.3693 mL	1.8467 mL	3.6933 mL
50 mM	0.0739 mL	0.3693 mL	0.7387 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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