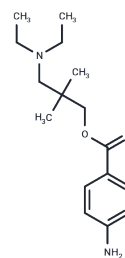


Dimethocaine

Chemical Properties

CAS No. :	94-15-5
Formula:	C ₁₆ H ₂₆ N ₂ O ₂
Molecular Weight:	278.39
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	Dimethocaine (Larocaine) is a local anesthetic which also effects on the central nervous system acting as dopamine-reuptake-inhibitor.
Targets(IC50)	Dopamine Receptor

Solubility Information

Solubility	DMSO: 50 mg/mL (179.6 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (7.18 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5921 mL	17.9604 mL	35.9208 mL
5 mM	0.7184 mL	3.5921 mL	7.1842 mL
10 mM	0.3592 mL	1.796 mL	3.5921 mL
50 mM	0.0718 mL	0.3592 mL	0.7184 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

Rigon A R , Takahashi R N . Stimulant activities of dimethocaine in mice: reinforcing and anxiogenic effects[J]. Psychopharmacology, 1996, 127(1-2):323-327.

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