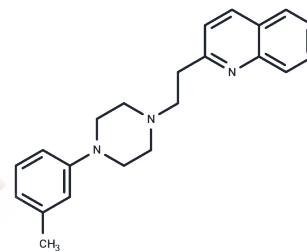


Centaquin

Chemical Properties

CAS No. :	57961-90-7
Formula:	C ₂₂ H ₂₅ N ₃
Molecular Weight:	331.45
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	Centaquin (Centaquine) is an adrenergic receptor potentially for the treatment of postoperative pain and for the resuscitation of hypovolemic shock
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 60 mg/mL (181.02 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 5 mg/mL (15.09 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	3.017 mL	15.0852 mL	30.1705 mL
5 mM	0.6034 mL	3.017 mL	6.0341 mL
10 mM	0.3017 mL	1.5085 mL	3.017 mL
50 mM	0.0603 mL	0.3017 mL	0.6034 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

Papalexopoulou K, et al. Centhaquin Effects in a Swine Model of Ventricular Fibrillation: Centhaquin and Cardiac Arrest. Heart Lung Circ. 2017 Aug;26(8):856-863.

Srimal RC, et al. Pharmacological studies on 2-(2-(4-(3-methylphenyl)-1-piperazinyl)ethyl) quinoline (centhaquin). I. Hypotensive activity. Pharmacol Res. 1990 May-Jun;22(3):319-29.

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