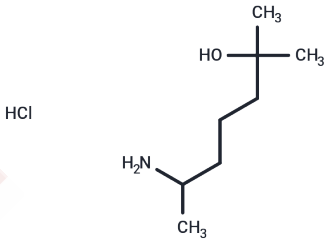
Data Sheet (Cat.No.T0045)

TargetMol

Heptaminol hydrochloride

Chemical Properties



CAS No. :	543-15-7
Formula:	C8H20ClNO
Molecular Weight:	181.71
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	Heptaminol hydrochloride (RP-2831 hydrochloride), a vasoconstrictor, is used in the therapy of hypotension, especially orthostatic hypotension.
Targets(IC50)	Others,Adrenergic Receptor
In vivo	In the rat, Heptaminol hydrochloride prevents orthostatic hypotension, and increases the noradrenaline plasma concentration. In bovine chromaffin cells maintained in primary cultures, Heptaminol hydrochloride is found to be a competitive inhibitor of noradrenaline uptake.

Solubility Information

Solubility	DMSO: 74.29 mg/mL (408.84 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: 7.43 mg/mL (40.89 mM),Solution. *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.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.5033 mL	27.5164 mL	55.0327 mL
5 mM	1.1007 mL	5.5033 mL	11.0065 mL
10 mM	0.5503 mL	2.7516 mL	5.5033 mL
50 mM	0.1101 mL	0.5503 mL	1.1007 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

GARRETT J. Arch Int Pharmacodyn Ther. 1954 Nov 1;100(1):17-34.