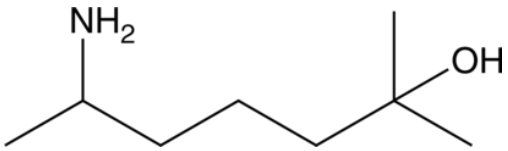
Product Data Sheet

Product Name: Heptaminol
Cat. No.: GC47423

Chemical Properties

Cas. No.	372-66-7		
SMILES	CC(N)CCCC(C)(O)C		
Formula	C8H19NO	M.Wt	145.2
Solubility	DMF: 15mg/mL,DMSO: 10mg/mL,Ethanol: 15mg/mL,PBS (pH 7.2): 10mg/mL	Storage	Store at -20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		
Structure			

Background

Heptaminol is an aliphatic amine with cardiotonic and sympathomimetic activities. [1,2,3] It decreases the amplitude of peak calcium currents by 30% in isolated guinea pig ventricular myocytes when used at a concentration of 100 µM.[1] Heptaminol inhibits norepinephrine uptake and induces catecholamine release in primary bovine chromaffin cells.[3,2] It increases blood pressure in cats when administered intravenously at a dose of 15 mg, an effect that can be blocked by reserpine .[4]

1.Peineau, N., Mongo, K.G., Le Guennec, J.-Y., et al.Alteration of the L-type calcium current in guinea-pig single ventricular myocytes by heptaminol hydrochlorideBr. J. Pharmacol.107(1)104-108(1992) 2.Grobecker, H.On the mode of action of heptaminolNaunyn Schmiedebergs Arch Pharmakol.266(4)339-340(1970) 3.Delicado, E.G., Fideu, M.D., Miras-Portugal, M.T., et al.Effect of tuamine, heptaminol and two analogues on uptake and release of catecholamines in cultured chromaffin cellsBiochem. Pharmacol.40(4)821-825(1990) 4.Garrett, J., Osswald, W., and Goncalves

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Moriera, M.Mechanism of cardiovascular actions of heptanolaminesBr. J. Pharmacol. Chemother.18(1)49-60(1962)