

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

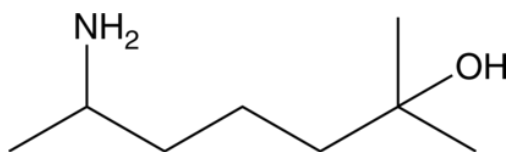
Solubility DMF: 15mg/mL, DMSO: 10mg/mL, Ethanol: 15mg/mL, PBS (pH 7.2): 10mg/mL

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 hydrochloride. *Br. J. Pharmacol.* 107(1):104-108 (1992) 2. Grobecker, H. On the mode of action of heptaminol. *Naunyn-Schmiedeberg's Arch. Pharmacol.* 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 cells. *Biochem. Pharmacol.* 40(4):821-825 (1990) 4. Garrett, J., Osswald, W., and Goncalves

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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

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