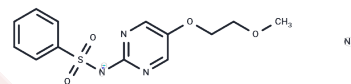


Glymidine sodium

Chemical Properties

CAS No. :	3459-20-9
Formula:	C ₁₃ H ₁₄ N ₃ NaO ₄ S
Molecular Weight:	331.32
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	Glymidine sodium is a sulfonamide hypoglycemic agent which stimulates insulin secretion.
Targets(IC50)	Others,IGF-1R

Solubility Information

Solubility	DMSO: 60 mg/mL (181.09 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 (6.04 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	3.0182 mL	15.0912 mL	30.1823 mL
5 mM	0.6036 mL	3.0182 mL	6.0365 mL
10 mM	0.3018 mL	1.5091 mL	3.0182 mL
50 mM	0.0604 mL	0.3018 mL	0.6036 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

Hardison WG, Wood CA. Importance of bicarbonate in bile salt independent fraction of bile flow. Am J Physiol. 1978 Aug;235(2):E158-64. PubMed PMID: 150796.

Losert W, Loge O, Jahn P. [Comparison of the beta-cytotropic effect of glymidine sodium (glycodiazine), glucagon, and isopropylnoradrenaline in rats]. Arzneimittelforschung. 1973 Sep;23(9):1251-60. German. PubMed PMID: 4149442.

Loge O, Losert W, Jahn P. [Influence on serum insulin concentration of sodium glymidine (glykodiazone), isopropylnorepinephrine, glucagon and theophylline in Chinese hamsters with spontaneous or streptozotocin-induced diabetes mellitus]. Res Exp Med (Berl). 1973 Jun 19;160(4):292-306. German. PubMed PMID: 4269691.

Losert W, Rosenthal K, Jahn P, Sitt R. [Comparative studies on the effect of sodium glymidine, glucagon and isopropylnoradrenaline on insulin secretion in rats]. Naunyn Schmiedebergs Arch Pharmacol. 1970;266(4):397-8. German. PubMed PMID: 4397505.

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