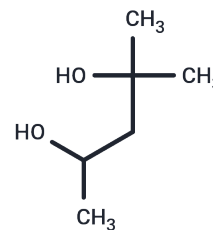


## Hexylene glycol

## Chemical Properties

CAS No. :	107-41-5
Formula:	C <sub>6</sub> H <sub>14</sub> O <sub>2</sub>
Molecular Weight:	118.17
Storage:	Pure form: -20°C for 3 years   In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Hexylene glycol (Diolane), colorless liquid, is a chiral diol. It is an industrial compound produced from diacetone alcohol by hydrogenation.
Targets(IC50)	Others,Antibacterial

## Solubility Information

Solubility	DMSO: 50 mg/mL (423.12 mM),Sonication is recommended. H <sub>2</sub> O: 100 mg/mL (846.24 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 (16.92 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	8.4624 mL	42.3119 mL	84.6238 mL
5 mM	1.6925 mL	8.4624 mL	16.9248 mL
10 mM	0.8462 mL	4.2312 mL	8.4624 mL
50 mM	0.1692 mL	0.8462 mL	1.6925 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

Magneron I, et al. Environ Sci Technol. 2003 Sep 15;37(18):4170-81.

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