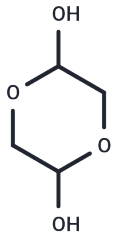
Data Sheet (Cat.No.T4748)

TargetMol

1,4-Dioxane-2,5-diol

Chemical Properties



CAS No. : 23147-58-2

Formula: C4H8O4

Molecular Weight: 120.1

Storage: Store at low temperature,The compound is unstable in solution. Please use soon
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	1,4-Dioxane-2,5-diol (Glycolaldehyde dimer) is a derivative of glycolaldehyde, the precursor to important compounds such as the amino acid glycine, and is involved in the formose reaction.
Targets(IC50)	Endogenous Metabolite

Solubility Information

Solubility	DMSO: 60 mg/mL (499.58 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 (16.65 mM),Sonication is recommended. *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	8.3264 mL	41.632 mL	83.2639 mL
5 mM	1.6653 mL	8.3264 mL	16.6528 mL
10 mM	0.8326 mL	4.1632 mL	8.3264 mL
50 mM	0.1665 mL	0.8326 mL	1.6653 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.