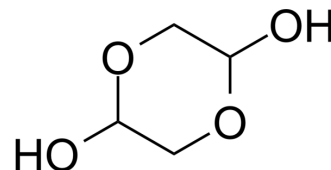


## 1,4-Dioxane-2,5-diol

Cat. No.:	HY-W004661		
CAS No.:	23147-58-2		
Molecular Formula:	C <sub>4</sub> H <sub>8</sub> O <sub>4</sub>		
Molecular Weight:	120.1		
Target:	Endogenous Metabolite		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 125 mg/mL (1040.80 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	8.3264 mL	41.6320 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

Please refer to the solubility information to select the appropriate solvent.

#### In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
Solubility: ≥ 2.08 mg/mL (17.32 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: ≥ 2.08 mg/mL (17.32 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 2.08 mg/mL (17.32 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

1,4-Dioxane-2,5-diol is an endogenous metabolite.

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

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