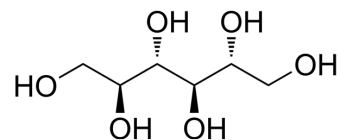


Allitol

Cat. No.:	HY-N2840
CAS No.:	488-44-8
Molecular Formula:	C ₆ H ₁₄ O ₆
Molecular Weight:	182.17
Target:	Others
Pathway:	Others
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 50 mg/mL (274.47 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
		1 mM		5.4894 mL	27.4469 mL	54.8938 mL
		5 mM		1.0979 mL	5.4894 mL	10.9788 mL
	10 mM		0.5489 mL	2.7447 mL	5.4894 mL	
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (13.72 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (13.72 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (13.72 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Allitol is a rare natural polyol that can be used as a sweetener. Allitol is an important intermediate for the preparation of the agents which against diabetes, cancer, and viral infections, including AIDS ^[1] .
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REFERENCES

[1]. Zhu Y, et al. Construction of allitol synthesis pathway by multi-enzyme coexpression in Escherichia coli and its application in allitol production. J Ind Microbiol

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

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