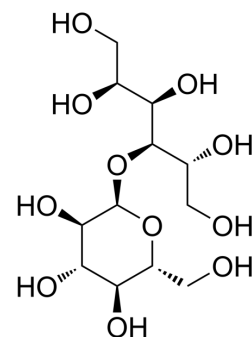


Maltitol

Cat. No.:	HY-B2122		
CAS No.:	585-88-6		
Molecular Formula:	C ₁₂ H ₂₄ O ₁₁		
Molecular Weight:	344.31		
Target:	Biochemical Assay Reagents		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : 33.33 mg/mL (96.80 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.9044 mL	14.5218 mL	29.0436 mL
	5 mM	0.5809 mL	2.9044 mL	5.8087 mL
	10 mM	0.2904 mL	1.4522 mL	2.9044 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: ≥ 2.5 mg/mL (7.26 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (7.26 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (7.26 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Maltitol is a sugar alcohol used as a sugar substitute. It has 75-90% of the sweetness of sucrose (table sugar) and nearly identical properties. Maltitol may also be used as a plasticizer in gelatin capsules, as an emollient, and as a humectant^[1].

REFERENCES

[1]. Application A537 – Reduction in the energy factor assigned to Maltitol: Final Assessment Report (PDF), Food Standards Australia New Zealand, 5 October 2005, retrieved 27 January 2014.

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

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