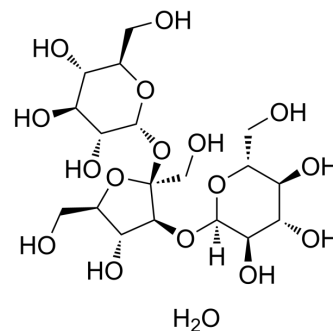


Melezitose monohydrate

Cat. No.:	HY-W010754		
CAS No.:	10030-67-8		
Molecular Formula:	C ₁₈ H ₃₄ O ₁₇		
Molecular Weight:	522.45		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 65 mg/mL (124.41 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	1.9141 mL	9.5703 mL	19.1406 mL
	5 mM	0.3828 mL	1.9141 mL	3.8281 mL
	10 mM	0.1914 mL	0.9570 mL	1.9141 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: ≥ 2.17 mg/mL (4.15 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.17 mg/mL (4.15 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.17 mg/mL (4.15 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Melezitose monohydrate (d-Melezitosedihydrate) is a biochemical reagent that can be used as a biological material or organic compound for life science related research^[1].

REFERENCES

[1]. Weiss AM, et al. Site-specific antigen-adjuvant conjugation using cell-free protein synthesis enhances antigen presentation and CD8+ T-cell response. Sci Rep. 2021 Mar 18;11(1):6267.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA