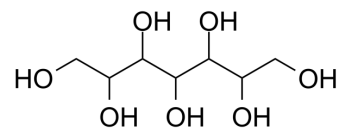


Perseitol

Cat. No.:	HY-N10374
CAS No.:	527-06-0
Molecular Formula:	C ₇ H ₁₆ O ₇
Molecular Weight:	212.2
Target:	Others
Pathway:	Others
Storage:	<div>Powder -20°C 3 years</div> <div>In solvent -80°C 6 months</div> <div>-20°C 1 month</div>



SOLVENT & SOLUBILITY

In Vitro

H₂O : 50 mg/mL (235.63 mM; Need ultrasonic)
DMSO : 5 mg/mL (23.56 mM; Need ultrasonic and warming)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		4.7125 mL	23.5627 mL	47.1254 mL
	5 mM		0.9425 mL	4.7125 mL	9.4251 mL
	10 mM		0.4713 mL	2.3563 mL	4.7125 mL

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

BIOLOGICAL ACTIVITY

Description

Perseitol is a compound produced by mature avocado plants. Perseitol can be converted to D-mannoheptulose as an energy-providing compound as well as a transport carbohydrate^[1].

REFERENCES

[1]. S.Z. Tesfay, et al. D-mannoheptulose and perseitol in 'Hass' avocado: Metabolism in seed and mesocarp tissue.

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

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