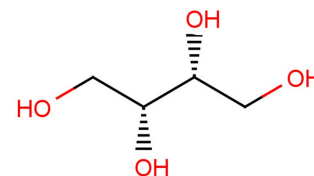


D-Threitol

Chemical Properties

CAS No.:	2418-52-2
Formula:	C ₄ H ₁₀ O ₄
Molecular Weight:	122.12
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	D-threitol is used as an antifreeze.
Targets(IC ₅₀)	Human Endogenous Metabolite: None

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	8.189 mL	40.943 mL	81.887 mL
5 mM	1.638 mL	8.189 mL	16.377 mL
10 mM	0.819 mL	4.094 mL	8.189 mL
50 mM	0.164 mL	0.819 mL	1.638 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Walters KR Jr, et al. Cryoprotectant biosynthesis and the selective accumulation of threitol in the freeze-tolerant Alaskan beetle, *Upis cerambyoides*. J Biol Chem. 2009 Jun 19;284(25):16822-31.

Inhibitors · Natural Compounds · Compound Libraries

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