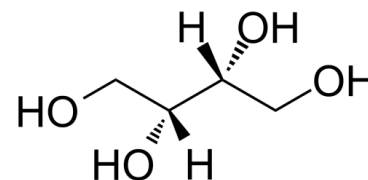


Data Sheet

Product Name:	D-Threitol
Cat. No.:	CS-W013562
CAS No.:	2418-52-2
Molecular Formula:	C ₄ H ₁₀ O ₄
Molecular Weight:	122.12
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Solubility:	DMSO : 250 mg/mL (2047.17 mM; Need ultrasonic)



BIOLOGICAL ACTIVITY:

D-threitol serves as a antifreeze agent in the Alaskan beetle *Upis ceramoides*.

References:

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

CAIndexNames:

1,2,3,4-Butanetetrol,(2R,3R)-

SMILES:

OC[C@H]([C@@H](CO)O)O

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

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