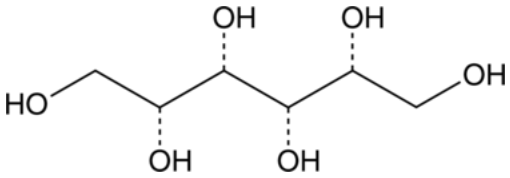
Product Data Sheet

Product Name: D-Iditol
Cat. No.: GC49492

Chemical Properties

Cas. No.	25878-23-3		
SMILES	OC[C@@H](O)[C@H](O)[C@@H](O)[C@H](O)CO		
Formula	C6H14O6	M.Wt	182.2
Solubility	DMF: 1 mg/ml,DMSO: 2 mg/ml,Ethanol: insol,PBS (pH 7.2): 5 mg/ml	Storage	-20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		
Structure			

Background

D-Iditol is a polyol.[1] It inhibits glucosidase I, but not glucosidase II, when used at a concentration of ~1 mM.[2]

1.Sasahara, H., and Izumori, K.Production of D-iditol from D-sorbose by Rhodotolura rubra RY10 isolated from miso pasteJ. Biosci. Bioeng.87(4)548-550(1999) 2.Muniruzzaman, S., Pan, Y.T., Zeng, Y., et al.Inhibition of glycoprotein processing by L-fructose and L-xyluloseGlycobiology6(8)795-803(1996)

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