
Product Data Sheet

Product Name: Sorbitol
Cat. No.: GC15696

Chemical Properties

Cas. No. 50-70-4

Chemical Name (2R,3R,4R,5S)-hexane-1,2,3,4,5,6-hexol

SMILES C(C(C(C(C(CO)O)O)O)O)O

Formula $C_6H_{14}O_6$ M.Wt 182.17

Solubility $\geq 7.8\text{mg/mL}$ in DMSO Storage Store at -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-Sorbitol is a sugar alcohol that is commonly used as a sugar substitute. Target: Others D-Sorbitol occurs naturally and is also produced synthetically from glucose. The food industry uses D-sorbitol as an additive in the form of a sweetener, humectant, emulsifier, thickener, or dietary supplement. D-Sorbitol has also been found in cosmetics, paper, and pharmaceuticals. Naturally, D-sorbitol occurs widely in plants via photosynthesis, ranging from algae to higher order fruits of the family Rosaceae. From Wikipedia.

References:

[1]. <http://en.wikipedia.org/wiki/Sorbitol>

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

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