

Product Data Sheet

Product Name: 1,5-Anhydrosorbitol

Cat. No.: GC33801

Chemical Properties

Cas. No. 154-58-5

SMILES OC[C@@H]1[C@@H](O)[C@H](O)[C@H](CO1)O

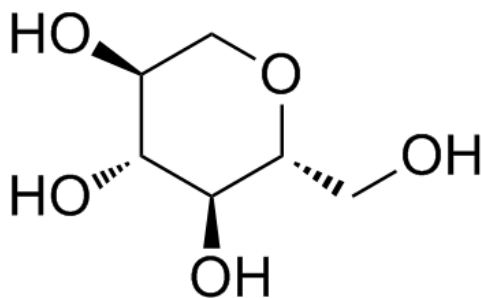
Formula $C_6H_{12}O_5$ M.Wt 164.16

Solubility DMF: 30 mg/ml, DMSO: 25 mg/ml, Ethanol: 2 mg/ml, PBS (pH 7.2): 10 mg/ml
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

1,5-Anhydrosorbitol is a short-term marker for glycemic control.

1,5-Anhydrosorbitol can indicate that metabolite score marks individuals at higher risk for developing diabetes or insulin resistance and thereby coronary heart disease (CHD) [1].

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

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[1]. Vaarhorst AA, et al. A metabolomic profile is associated with the risk of incident coronary heart disease. Am Heart J. 2014 Jul;168(1):45-52.e7.

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