



LKT Laboratories, Inc.

1-Thio-β-D-glucose Tetraacetate

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Product Information

Product ID T2833

CAS No. 19879-84-6

Chemical Name 2,3,4,6-Tetra-O-acetyl-1-thio-β-D-glucopyranose

Synonym

Formula C₁₄H₂₀O₉S

Formula Wt. 364.4

Melting Point 115-117°C

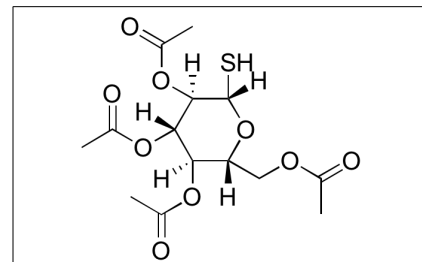
Purity ≥98%

Solubility Soluble in water, chloroform (50 mg/mL), dichloromethane, ethyl acetate.

Store Temp Ambient

Ship Temp Ambient

Description 1-Thio-β-D-glucose tetraacetate is used in research models for bio-imaging and in column chromatography; this compound inhibits the Maillard reaction.



Bulk quantities available upon request

Product ID	Size
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T2833	250 mg
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T2833	1 g
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References Welling MM, Alberto R. Performance of a ^{99m}Tc-labelled 1-thio-beta-D-glucose 2,3,4,6-tetra-acetate analogue in the detection of infections and tumours in mice: a comparison with [¹⁸F]FDG. Nucl Med Commun. 2010 Mar;31(3):239-48. PMID: 20032803.

Csapó J, Varga-Visi E, Lóki K, et al. The influence of extrusion on loss and racemization of amino acids. Amino Acids. 2008 Feb;34(2):287-92. PMID: 17245615.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.