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## Product Data Sheet

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Product Name: Biotin-D-Glucose

Cat. No.: GC71650

### Chemical Properties

Cas. No.

Formula  $C_{16}H_{26}N_2O_8S$

M.Wt 406.45

Solubility DMSO : 100 mg/mL (246.03 mM; Need ultrasonic; Hygroscopic DMSO has a significant impact on the solubility of product, please use newly opened DMSO) Storage -20°C, protect from light

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

Biotin-D-Glucose is a multifunctional dye. Dyes are important tools in biological experiments. They can help researchers observe and analyze cell structures, track biomolecules, evaluate cell functions, distinguish cell types, detect biomolecules, study tissue pathology and monitor microorganisms. Their applications range from basic scientific research to clinical A wide range of diagnostics. Dyes are also widely used in traditional fields such as textile dyeing, as well as in emerging fields such as functional textile processing, food pigments and dye-sensitized solar cells.

References:

[1]. Sultana M, et al. A review on experimental chemically modified activated carbon to enhance dye and heavy metals adsorption[J]. Cleaner engineering and technology, 2022, 6: 100382.

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

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