

Product Data Sheet

Product Name: TCEP-biotin

Cat. No.: GC40251

Chemical Properties

Cas. No. 2227020-26-8

Formula C₂₅H₄₃N₄O₉PS

M.Wt 606.7

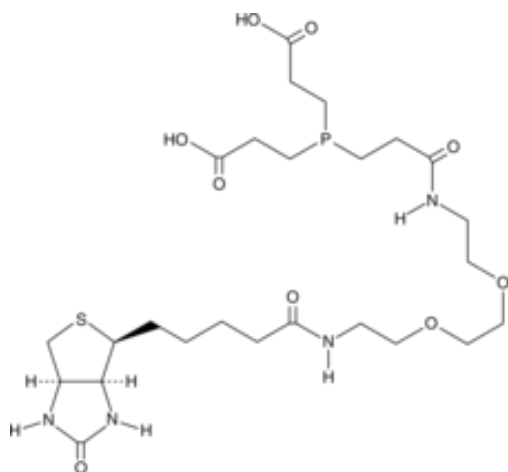
Solubility DMF: 25 mg/ml, DMSO: 25 mg/ml, Ethanol: 25 mg/ml, PBS (pH 7.2): 0.15 mg/ml

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

TCEP-biotin is the biotinylated form of the reducing agent TCEP and an affinity probe for protein lysine crotonylation. Covalent addition of the TCEP moiety to crotonylated lysine residues results in adduct formation that allows for detection or immobilization of crotonylated proteins through interaction with the biotin ligand. It has been used in the detection and isolation of crotonylated histones in HEK293 cells.

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

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