
Product Data Sheet

Product Name: DTSSP Crosslinker disodium

Cat. No.: GC66743

Chemical Properties

Cas. No. 142702-31-6

Formula $C_{14}H_{14}N_2Na_2O_{14}S_4$ M.Wt 608.51

Solubility 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

DTSSP Crosslinker disodium is a protein cross-linker containing a disulfide bond. DTSSP Crosslinker disodium can react with sidechains of amino acids that are within close proximity^{[1][2]}.

[1]. Swaim CL, Smith JB, Smith DL. Unexpected products from the reaction of the synthetic cross-linker 3,3'-dithiobis(sulfosuccinimidyl propionate), DTSSP with peptides. J Am Soc Mass Spectrom. 2004;15(5):736-749.

[2]. Anabuki T, et al. Identification of recombinant AtPYL2, an abscisic acid receptor, in E. coli using a substrate-derived bioactive small molecule, a biotin linker with alkyne and amino groups, and a protein cross-linker. Bioorg Med Chem Lett. 2019;29(21):1

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

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