

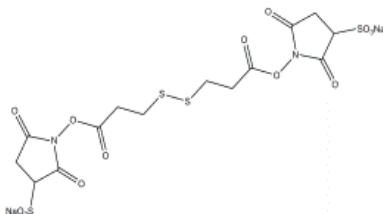
# DTSSP Crosslinker

**ALTERNATE NAMES:** disodium;1-[3-[[3-(2,5-dioxo-3-sulfonatopyrrolidin-1-yl)oxy-3-oxopropyl]disulfanyl]propanoyloxy]-2,5-dioxopyrrolidine-3-sulfonate; Sulfo-DSP; DTBSSP

**CATALOG#:** 2337-50, -250, -500

**AMOUNT#:** 50 mg, 250 mg, 500 mg

**STRUCTURE:**



**MOLECULAR FORMULA#:** C<sub>14</sub>H<sub>14</sub>O<sub>14</sub>N<sub>2</sub>S<sub>4</sub>Na<sub>2</sub>

**MOLECULAR WEIGHT#:** 608.51

**CAS#:** 142702-31-6

**APPEARANCE:** White to off-white solid

**SOLUBILITY:** H<sub>2</sub>O (> 6 mg/ml)

**PURITY:** ≥ 80% by NMR

**STORAGE:** +4 °C. Protect from moisture

**DESCRIPTION:** A cleavable homobifunctional protein crosslinking reagent

**KEY FEATURES & APPLICATIONS:**

- Water-soluble
- Has primary amine-reactive N-hydroxysulfosuccinimide (Sulfo-NHS) esters at both ends
- Contains cleavable, 8-atom (12 Å) spacer arm
- The disulfide bond in the spacer arm is cleavable with reducing agents such as DTT, TCEP, etc.
- DTSSP crosslinker is membrane-impermeable, thus enabling cell-surface crosslinking without interfering with intercellular proteins

**RELATED PRODUCTS:**

Sulfo-SMCC (Cat. No. 2320-50, 100, 1000, 1 EA)  
 Sulfo-NHS (Cat. No. 2321-500, 5G, 1 EA)  
 Sulfo-NHS-Biotin (Cat. No. 2322-50, 250, 1 EA)  
 Sulfo-SANPAH (Cat. No. 2324-50, 250)  
 Sulfo-LC-SPDP (Cat. No. 2325-50, 250)  
 Sulfo-NHS-LC-Biotin (Cat. No. 2326-50, 250, 1EA)  
 BS3 Crosslinker (Cat. No. 2327-50, 250, 1000, 1 EA)  
 SPDP Crosslinker (Cat. No. 2328-50, 250)  
 Biotin-HPDP (Cat. No. 2329-50, 250)  
 Traut's Reagent (Cat. No. 2330-50, 250)  
 N-Hydroxysuccinimide (Cat. No. 2331-1G, 5G, 25G)

**FOR RESEARCH USE ONLY! Not to be used on humans.**