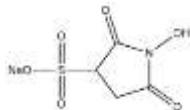


Sulfo-NHS

ALTERNATE NAME:	Hydroxy-2,3-dioxypyrrolidine-3-sulfonic acid sodium salt; Sulfo-NHS; SNHS; N-Hydroxysulfosuccinimide sodium salt
CATALOG#:	2321-500, 5G, Set
AMOUNT#:	500 mg, 5 g, 1 set (10 x 2 mg)

STRUCTURE:



MOLECULAR FORMULA#:	C ₄ H ₄ NNaO ₆ S
MOLECULAR WEIGHT#:	217.13
CAS#:	106627-54-7
APPEARANCE:	White to off-white solid
SOLUBILITY:	H ₂ O (~ 2 mg/ml)
PURITY:	≥95% by NMR
STORAGE:	+4 °C. Protect from moisture

DESCRIPTION:

A sulfonated derivative of N-hydroxysuccinimide (Cat. No.2331) that is used as a catalyst in the zero-length crosslinking of proteins

KEY FEATURES:

- Sulfo-NHS assists in stabilizing the protein-EDC intermediate, thus allowing for a more efficient crosslinking reaction.
- Water-soluble; can be used under physiologic conditions
- Assists in converting carboxyl groups to sulfo-NHS esters which react with primary amines

APPLICATIONS:

- Increases the efficiency of EDC-mediated coupling reactions
- Useful for covalently binding proteins or peptides to carboxyl containing beads, resins, or other nanoparticles
- Assists in converting carboxyl groups to primary amine-reactive sulfo-NHS esters

REFERENCES:

Staros, J.V. (1982). *Biochemistry* **21**, 3950-3955

RELATED PRODUCTS:

Sulfo-SMCC (Cat. No. 2320-50, 100, 1000, 1 EA)
 Sulfo-NHS-Biotin (Cat. No. 2322-50, 250, 1 EA)
 Sulfo-NHS-SS-Biotin (Cat. No. 2323-50, 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, 1EA)
 SPDP Crosslinker (Cat. No. 2328-50, 250)
 Biotin-HPDP (Cat. No. 2329-50, 250)
 Traut's Reagent (Cat. No. 2330-50, 250, 1000)
 N-Hydroxy succinimide (Cat. No. 2331-1G, 5G, 25G)
 DTSSP Crosslinker (Cat. No. 2337-50, 250)

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