

Sulfo-NHS-SS-Biotin

ALTERNATE NAME:	Sulfosuccinimidyl-2-(biotinamido)-ethyl-1,3'-dithiopropionate; Biotin disulfide N-Hydroxysulfosuccinimide ester
CATALOG#:	2323-50, 100, Set
AMOUNT#:	50 mg, 100 mg, 1 set (10 x 1 mg)

STRUCTURE:

MOLECULAR FORMULA#:	C ₁₉ H ₂₇ O ₉ N ₄ S ₄ Na
MOLECULAR WEIGHT#:	606.69
CAS#:	325143-98-4
APPEARANCE:	White to off-white solid
SOLUBILITY:	H ₂ O (~ 6 mg/ml)
PURITY:	≥80% by NMR
STORAGE:	+4 °C. Protect from moisture

DESCRIPTION:

A water-soluble, disulfide-reducible, protein biotinylation reagent.

KEY FEATURES:

- Sulfo-NHS-SS-Biotin is amine-reactive and
- Has a long chain spacer arm (24.3 Å) separating the biotin group from the amino-reactive sulfo-NHS ester
- Water-soluble; can be used under physiologic conditions
- It is possible to cleave the biotin group from the cross-linked target protein under reducing conditions, such as in the presence of BME, DTT or TCEP

APPLICATIONS:

- Sulfo-NHS-SS-Biotin is ideal for biotinylating antibody or protein that can then be used for protein purification, detection or immobilization
- Sulfo-NHS-Biotin is particularly useful for targeting cell surface proteins due to the membrane-impermeability of this reagent

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, 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.