

Sulfo-NHS-LC-Biotin

ALTERNATE NAME:	Sulfosuccinimidyl 6-(biotinamido) Hexanoate; Biotinamidohexanoic acid 3-sulfo-N-hydroxysuccinimide ester sodium salt
CATALOG#:	2326-50, 100, Set
AMOUNT#:	50 mg, 100 mg, 1 set (10 x 1 mg)

STRUCTURE:

MOLECULAR FORMULA#:	C ₁₄ H ₁₈ O ₈ N ₃ S ₂ Na
MOLECULAR WEIGHT#:	556.59
CAS#:	127062-22-0
APPEARANCE:	White to off-white solid
SOLUBILITY:	H ₂ O (~ 20 mg/ml)
PURITY:	≥90% by NMR
STORAGE:	-20 °C. Protect from moisture

DESCRIPTION:

Sulfo-NHS-LC-Biotin is a water-soluble protein biotinylation reagent.

KEY FEATURES:

- Amine-reactive; has a spacer with arm length of 22.4 Å which helps to minimize steric hindrance to biotin labeling
- More water-soluble than the corresponding NHS compound without the sulfo group
- Membrane-impermeable
- Forms permanent amide bonds and the spacer arm cannot be cleaved

APPLICATIONS:

- Sulfo-NHS-LC-Biotin is ideal for biotinylating antibody or protein that can then be used for protein detection, purification or immobilization
- Sulfo-NHS-LC-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)
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.