

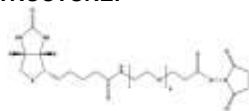
Biotin-PEG₄-NHS

ALTERNATE NAME: (15-biotinlamino-4,7,10,13-dioxanonanoic acid N-hydroxysuccinimidyl ester)

CATALOG#: B1518-50, 250

AMOUNT#: 50 mg, 250 mg

STRUCTURE:



MOLECULAR FORMULA: C₂₅H₄₀N₄O₁₀S

MOLECULAR WEIGHT: 588.7

CAS#: 459426-22-3

APPEARANCE: White waxy solid

SOLUBILITY: H₂O (10 mg/ml) or DMF (10 mg/ml)

PURITY: ≥97% by HPLC

STORAGE: -20 °C. Protect from air and moisture

DESCRIPTION:

Biotin-PEG₄-NHS is a water-soluble, pegylated reagent for simple and efficient biotin labeling of antibodies, proteins and other primary-amine containing molecules.

KEY FEATURES:

- Polyethylene glycol (PEG) groups in spacer arm enhances water solubility of biotinylated molecules
- Spacer arm contains a hydrophilic, 4-unit, polyethylene glycol (PEG) group. Long spacer arm (29 Angstroms) reduces the steric hindrance when binding to Avidin molecules.
- Water-soluble; can be used under physiologic conditions

APPLICATIONS:

- **Biotinylation:** Biotinylate antibodies or proteins for detection or purification using Streptavidin
- **Amine-activated:** Reacts with primary amines (-NH₂), such as the side chain of lysines (K) or amino-termini of polypeptides

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)

Biotin-PEG₄-NH₂ (Cat. No. 2791-50,250)

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.