

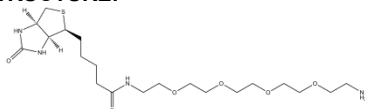
Biotin-PEG₄-amine

ALTERNATE NAME:

 (3a*S*,4*S*,6a*R*)-*N*-(14-Amino-3,6,9,12-tetraoxatetradec-1-yl)hexahydro-2-oxo-1*H*-thieno[3,4-*d*]imidazole-4-pentanamide

CATALOG#: 2791-50, 250

AMOUNT#: 50 mg, 250 mg

STRUCTURE:

MOLECULAR FORMULA: C₂₀H₃₈N₄O₆S

MOLECULAR WEIGHT: 462.61

CAS#: 663171-32-2

APPEARANCE: White to off-white solid

SOLUBILITY: H₂O (>20 mg/ml)

PURITY: ≥95%

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

DESCRIPTION:

 Biotin-PEG₄-amine is a water-soluble biotin containing polyethylene glycol (PEG) spacer arm and a terminal primary amine for conjugation via EDC and other crosslinker methods.

KEY FEATURES:

- Polyethylene glycol (PEG) groups in spacer arm enhances water solubility of biotinylated molecules
- Spacer arms providing slightly different options for controlling steric hindrance and hydrophilicity
- Water-soluble; can be used under physiologic conditions

APPLICATIONS:

- **Biotinylation:** Label molecules and surfaces for assays or affinity purification methods involving avidin or streptavidin probes and resins
- **Amine-activated:** Primary amine can be crosslinked to proteins and material surfaces using EDC and other crosslinkers

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.