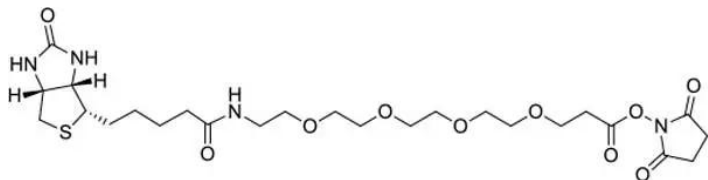


BIOTIN-PEG4-NHS ESTER

SKU: CCT-B103



Description

Biotin-PEG4-NHS Ester reacts specifically and efficiently with primary amines (e.g., a side chain of lysine residues or aminosilane-coated surfaces) at pH 7-9 to form covalent bonds. The hydrophilic polyethylene glycol (PEG) spacer arm of this reagent imparts water solubility that is transferred to the labeled molecule, thus reducing aggregation of labeled proteins stored in solution. The PEG spacer arm also gives the reagent a long and flexible connection to minimize steric hindrance involved with binding to avidin molecules.

Specifications

| | |
|-----------------------------|------------------------------------------------------------------|
| Unit Size | 25 mg, 100 mg, 1000 mg |
| Molecular weight | 588.67 |
| Chemical composition | C ₂₅ H ₄₀ N ₄ O ₁₀ S |
| CAS | 459426-22-3 |
| Solubility | DMSO, DMF, DCM, THF, Chloroform |
| Purity | >95% |
| Appearance | White to grey amorphous solid |
| Storage Conditions | -20°C. Desiccate |
| Shipping Conditions | Ambient temperature |

For research use only. Not intended for animal or human therapeutic or diagnostic use.