

# Product Data Sheet

Date of Issue: 26 Nov 2019

## 1. Product Information

- Product Name : NHS-PEG4-COOH
- Catalog Number : LPA1113
- Packing Unit : 25 mg
- Appearance : Viscous Liquid
- Storage Conditions : Protect from Light at -20 °C

## 2. Additional Information

- Fluorophore Label : NHS-PEG4B-COOH
- Molecular Weight : 491.44 g/mol

## 3. Description

NHS-PEG4-COOH is a mono-functionalized PEG-based crosslinker that one end of tetraethylene glycol derivative is activated as NHS ester and can be used in a range of biological research fields. PEG crosslinkers are hydrophilic and does not penetrate cell membrane and beneficial to transfer their hydrophilic spacer to the crosslinked biomolecule thereby reducing the potential of aggregation and precipitation of the complex. NHS esters readily react with amine-modified oligonucleotides or amino groups of proteins or the amine terminus of nucleotides to form a chemically stable amide bond between dye and the biomolecule. Functionalized crosslinkers are one of well-known protein modification reagents that having a variety of applications in life science research and assay development.