

# Product Data Sheet

Date of Issue: 26 Nov 2019

## 1. Product Information

- Product Name : Vinylsulfone-PEG4-COOH
- Catalog Number : LPA1413
- Packing Unit : 25 mg
- Appearance : White/off-white solid or viscous liquid
- Storage Conditions : Protect from Light at -20 °C

## 2. Additional Information

- Fluorophore Label : Vinylsulfone-PEG4-COOH
- Molecular Weight : 511.54 g/mol

## 3. Description

Vinylsulfone-PEG4-COOH is a mono-functionalized PEG-based crosslinker that one end of tetraethylene glycol derivative is activated as vinylsulfone 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. Vinylsulfone reactive group, developed by BioActs' leading technology, is stable in a wide range of pH and at the high temperature and reacts with primary amines. Functionalized crosslinkers are one of well-known protein modification reagents that having a variety of applications in life science research and assay development.