

## Product Information

### Mesyl PEG reagent, Ms-PEG8-Ms, Purity 98%

**Cat. No.:** X24-10-WXX371

**Size:** 250 mg; 500 mg; 1 g

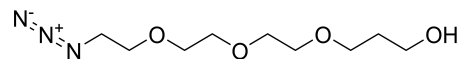
**CAS Number:** 109789-41-5

**PubChem CID:** 13642705

**Synonym:** Ms-PEG8-Ms; 109789-41-5; 3,6,9,12,15,18-hexaoxaicosane-1,20-diyl

dimethanesulfonate; SCHEMBL4143916; AKOS040742180

**This product is for research use only and is not intended for diagnostic use.**



#### Product Information

|                           |                                                                                                                                                                             |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>        | Ms-PEG8-Ms is a reagent grade PEG linker with two mesyl groups. The mesyl group is used for nucleophilic substitution reactions. The PEG spacer increases water solubility. |
| <b>Molecular Weight</b>   | 482.6                                                                                                                                                                       |
| <b>Molecular Formula</b>  | C <sub>16</sub> H <sub>34</sub> O <sub>12</sub> S <sub>2</sub>                                                                                                              |
| <b>Functional Group 1</b> | Mesyl                                                                                                                                                                       |
| <b>Functional Group 2</b> | None                                                                                                                                                                        |
| <b>Functional Group 3</b> | None                                                                                                                                                                        |
| <b>Reactive Group 1</b>   | Nucleophile                                                                                                                                                                 |
| <b>IUPAC Name</b>         | 2-[2-[2-[2-[2-(2-methylsulfonyloxyethoxy)ethoxy]ethoxy]ethoxy]ethoxy]ethyl methanesulfonate                                                                                 |
| <b>InChI</b>              | InChI=1S/C16H34O12S2/c1-29(17,18)27-15-13-25-11-9-23-7-5-21-3-4-22-6-8-24-10-12-26-14-16-28-30(2,19)20/h3-16H2,1-2H3                                                        |
| <b>InChI Key</b>          | HGSUQRYIYRXWTQ-UHFFFAOYSA-N                                                                                                                                                 |
| <b>Canonical SMILES</b>   | CS(=O)(=O)OCCOCCOCCOCCOCCOCCOCCOS(=O)(=O)C                                                                                                                                  |
| <b>Form</b>               | Liquid                                                                                                                                                                      |
| <b>Purity</b>             | 98%                                                                                                                                                                         |
| <b>Solubility</b>         | DMSO, DCM, DMF                                                                                                                                                              |
| <b>Identity</b>           | Confirmed by NMR.                                                                                                                                                           |
| <b>Applications</b>       | Ms-PEG8-Ms is used to modify biomolecules, molecular biology, and other applications.                                                                                       |
| <b>Storage</b>            | Store at -20°C.                                                                                                                                                             |

SUITE 201, 17 Ramsey Road, Shirley, NY 11967, USA

Tel: 1-631-637-6119 | Email: [info@bioglyco.com](mailto:info@bioglyco.com)

---