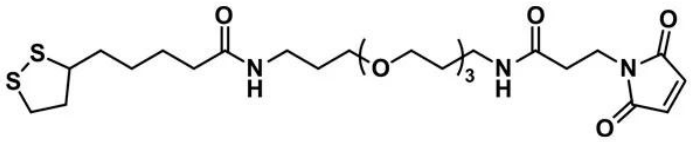
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# MAL-DPEG®₃-LIPOAMIDE

**SKU:** QBD-10817



## DESCRIPTION

MAL-dPEG®3-Lipoamide, product number 10817, is a heterobifunctional crosslinker functionalized with a maleimidopropyl group and a lipoic acid moiety on opposite ends of a short (27 atoms, 31.1 Å), single molecular weight, discrete PEG (dPEG®) crosslinker. The lipoic acid moiety forms dative bonds with gold, silver, and other metals and can be used to coat or passivate metal surfaces. The maleimide group forms stable thioether bonds with free thiols and can be used to immobilize a sulfhydryl-containing biomolecule such as a peptide or antibody fragment to a metal surface through the dPEG®-lipoamide linkage. The flexible, non-immunogenic, hydrophilic dPEG® linker adds water solubility and increases the conjugate's hydrodynamic volume.

## SPECIFICATIONS

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|---|---|
| **CAS Number** | 1334172-72-3 |
| **Molecular Weight** | 559.74; single compound |
| **Chemical Formula** | $C_{25}H_{41}N_3O_7S_2$ |
| **Purity** | > 98% |
| **Unit Size** | 100mg, 1000mg |
| **Solubility** | Methylene chloride, DMA or DMSO. Limited solubility in acetonitrile. |
| **Spacers** | dPEG® Spacer is 27 atoms and 31.1 Å |

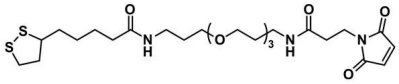
**For research use only. Not intended for therapeutic or diagnostic use in animals or humans.**

| | |
|---|---|
| **Storage Instructions** | -20°C; Always let come to room temperature before opening; be careful to limit exposure to moisture and restore under an inert atmosphere; stock solutions can be prepared with dry solvent and kept for several days (freeze when not in use). dPEG® pegylation compounds are generally hygroscopic and should be treated as such. This will be less noticeable with liquids, but the solids will become tacky and difficult to manipulate, if care is not taken to minimize air exposure. |
| **Shipping Instructions** | Ambient |

## DOCUMENTS

- Safety Data Sheet
- Datasheet

## GALLERY IMAGES



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