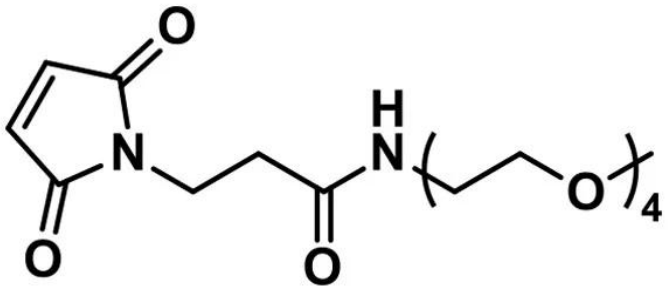
www.vectorlabs.com
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Telephone: (650) 697-3600

M-DPEG®₄-MAL

SKU: QBD-10745



DESCRIPTION

m-dPEG®4-MAL, product number QBD-10745, is a thiol-reactive, single molecular weight, monodisperse PEG reagent that forms thioethers with sulfhydryls. The terminal maleimido group reacts rapidly and specifically at pH 6.5 – 7.5 with free thiols in a click chemistry type of reaction. The non-immunogenic dPEG® product increases the water solubility and hydrodynamic volume of conjugates made with it. Moreover, this product reduces or eliminates immunogenicity and non-specific interactions caused by hydrophobicity. This product is designed to modify small molecules, biomolecules, hydrogels, and surfaces (metal, glass, silica) containing free sulfhydryl groups.

SPECIFICATIONS

CAS Number	1263044-81-0
Molecular Weight	358.39; single compound
Chemical Formula	$C_{16}H_{26}N_2O_7$
Purity	> 98%
Unit Size	100mg, 1000mg
Solubility	Methylene chloride, Acetonitrile, DMAC or DMSO.
Spacers	dPEG® Spacer is 20 atoms and 22.1 Å

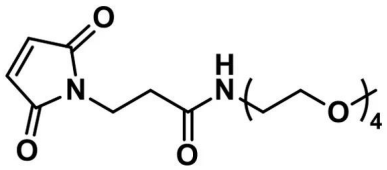
For research use only. Not intended for therapeutic or diagnostic use in animals or humans.

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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