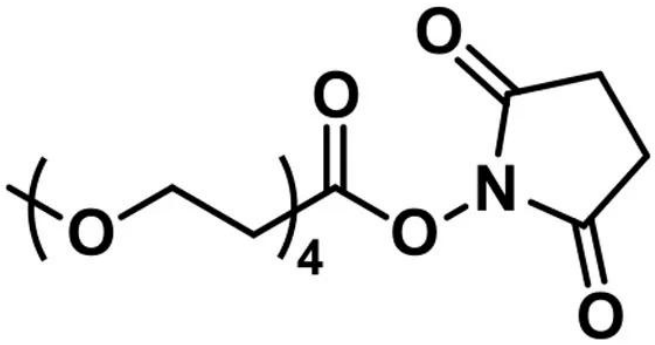
www.vectorlabs.com
Email: customerservice@vectorlabs.com
Telephone: (650) 697-3600

M-DPEG®₄-NHS ESTER

SKU: QBD-10211



DESCRIPTION

m-dPEG®4-NHS ester, product number QBD-10211, is a short (14 atoms, 15.6 Å), methyl-terminated, discrete length polyethylene glycol (dPEG®) spacer designed for the modification of surfaces containing accessible free amines. The carboxyl terminus of the dPEG® spacer is activated with N-hydroxysuccinimide (NHS) and reacts optimally with free amines at pH 7.0 – 7.5. The rate of hydrolysis of the active ester to the carboxylic acid accelerates with increasing pH. Please note that modification of surface amines on biomolecules (e.g., proteins and peptides) with this uncharged, methyl-capped dPEG® spacer may alter the overall charge of the resulting conjugates.

Numerous applications employ this product. The applications in which this product has been successfully employed include:
cell surface engineering;
surface modification of biomolecules;
coating of carbon nanotubes, quantum dots, and other hydrophobic surfaces;
acoustic sensor development;
diagnostic films for pathogen detection, and,
various imaging applications.
m-dPEG®4-NHS ester, product number 10211, is just one member of an extensive line of

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

methyl-terminated dPEG® products that includes dPEG® spacers containing 2 to 49 ethylene glycol units.

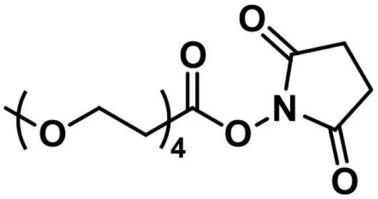
SPECIFICATIONS

CAS Number	622405-78-1
Molecular Weight	333.33; single compound
Chemical Formula	$C_{14}H_{23}NO_8$
Purity	> 98%
Unit Size	100 mg, 1000 mg
Solubility	Methylene chloride, Acetonitrile, DMAC or DMSO.
Spacers	dPEG® Spacer is 14 atoms and 15.600 Å
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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