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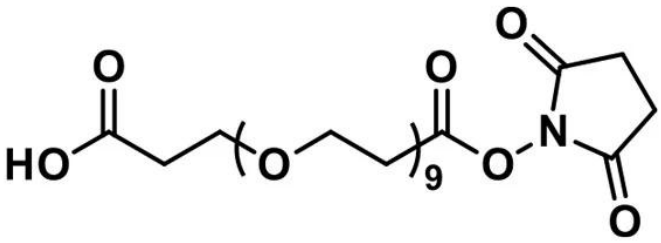
ACID-DPEG®₉-NHS ESTER

SKU: QBD-10119



DESCRIPTION

Acid-dPEG®9-NHS ester, product number QBD-10119, is an amine-reactive crosslinker that is designed to facilitate intermolecular crosslinking with free amines at each end of the crosslinker through a single molecular weight, discrete polyethylene glycol (dPEG®) backbone. Because one end of the chain terminates in a propionic acid group while the other end terminates as the N-hydroxysuccinimidyl (NHS) ester of propionic acid, this product can effectively overcome the problems typically afflicting homobifunctional crosslinkers. Moreover, the carboxylic acid end can remain unmodified, allowing the carboxylic acid to be used as a charge modifier in supramolecular and bioconjugate construction. Furthermore, the amphiphilic dPEG® backbone imparts water solubility to conjugate molecules.

SPECIFICATIONS

CAS Number	N/A
Molecular Weight	611.64; single compound
Chemical Formula	$C_{26}H_{45}NO_{15}$
Purity	> 97%
Unit Size	100 mg, 1000 mg
Solubility	Methylene Chloride, Acetonitrile, DMF, DMSO or DMAC.
Spacers	dPEG® Spacer is 31 atoms and 35.7 Å

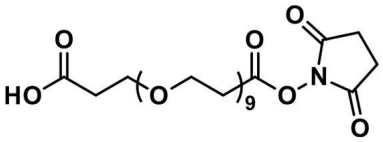
For research use only. Not intended for therapeutic or diagnostic use in animals or humans.

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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