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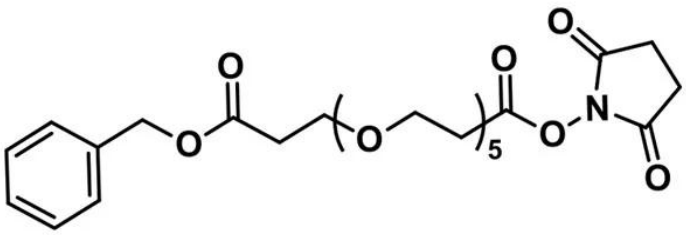
BIS-DPEG®5, HALF BENZYL HALF NHS ESTER

SKU: QBD-10237



DESCRIPTION

Bis-dPEG®5, half benzyl half NHS ester, product number QBD-10237, is a short, discrete PEG (dPEG®) modification reagent designed for stepwise reactions with amines. Both ends of the single molecular weight PEG linker terminate with propionic acid groups. One end is functionalized as the N-hydroxysuccinimidyl (NHS) ester, while the other acid end is protected as the benzyl ester. The benzyl ester can be removed using hydrogen with a palladium catalyst.

The dPEG®5 linker increases conjugates' hydrodynamic volume and hydrophilicity. QBD-10237 is useful for crosslinking amines under controlled conditions, modifying peptides at N-termini or amine-functionalized side chains, and building supramolecular constructs that require flexible, hydrophilic spacers.

SPECIFICATIONS

CAS Number	1263044-84-3
Molecular Weight	525.55; single compound
Chemical Formula	$C_{25}H_{35}NO_{11}$
Purity	> 97%
Unit Size	100 mg, 1000 mg
Solubility	Methylene chloride, DMAC, or DMSO.
Spacers	dPEG® Spacer is 19 atoms and 21.7 Å

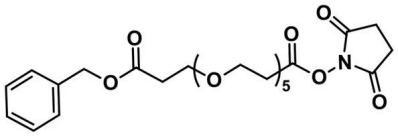
For research use only. Not intended for therapeutic or diagnostic use in animals or humans.

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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