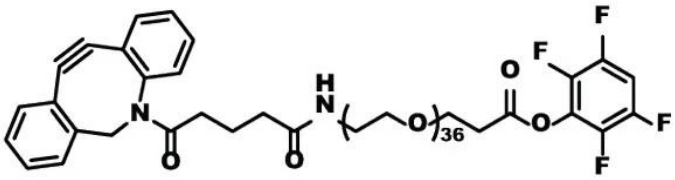
www.vectorlabs.com
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DBCO-DPEG®36-TFP ESTER

SKU: QBD-10598



DESCRIPTION

DBCO-dPEG®36-TFP ester, product number QBD-10598, is a heterobifunctional, bioorthogonal crosslinker designed to join azides and amines across a long (122 atoms, 137.5 Å), flexible, hydrophilic, single molecular weight, discrete PEG (dPEG®) spacer. The tetrafluorophenyl (TFP) ester reacts specifically with free amines to form amide bonds; the optimum reaction pH is 7.5 – 8.0. The dibenzylcyclooctyne (DBCO) moiety selectively forms triazole linkages with azides via a click chemistry reaction known as strain-promoted azide-alkyne cycloaddition (SPAAC), also known as copper-free click chemistry. The amphiphilic dPEG® linker increases conjugates' hydrodynamic volumes and water solubility, and it can be used to create space in sterically crowded supramolecular constructs.

SPECIFICATIONS

CAS Number	N/A
Molecular Weight	2124.38
Chemical Formula	$C_{101}H_{166}F_4N_2O_{40}$
Purity	> 97%
Unit Size	25mg, 100mg , 500mg
Solubility	Methanol, Dichloromethane, Acetonitrile, or N,N-dimethylacetamide
Spacers	dPEG® Spacer is 122 atoms and 137.5 Å

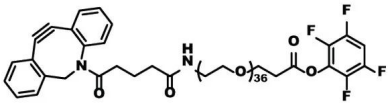
For research use only. Not intended for therapeutic or diagnostic use in animals or humans.

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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