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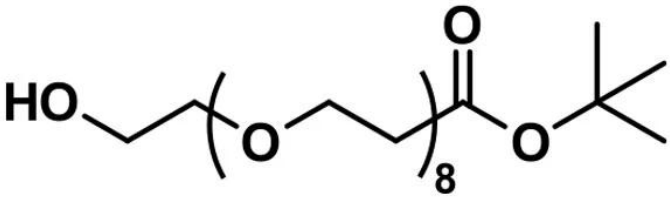
HYDROXY-DPEG®₈-T-BUTYL ESTER

SKU: QBD-10185



Hydroxy-dPEG®8-t-butyl ester, product number QBD-10185, is a versatile discrete PEG building block based upon a monodispersed polyethylene glycol (PEG) chain. A primary alcohol group terminates one end of the molecule. The opposite end is a propionic acid group protected as the tert-butyl ester. The terminal hydroxy group can be functionalized with various reactive groups to permit direct modification of surfaces, small molecules, or biomolecules.

Alternatively, the hydroxy group can react with isothiocyanates or active esters of carboxylic acids to form new conjugates. The tert-butyl ester deprotects with trifluoroacetic acid (TFA) or formic acid, exposing the terminal propionic acid, which can then be activated as the NHS or TFP ester or directly coupled to an amine using a suitable carbodiimide.

Specifications

Unit Size	100 mg, 1000 mg
Molecular Weight	498.60; single compound
Chemical formula	$C_{23}H_{46}O_{11}$
CAS	1334177-84-2
Purity	> 98%
Spacers	dPEG® Spacer is 28 atoms and 32.1 Å
Shipping	Ambient
Typical solubility properties (for additional information contact Customer Support)	Methylene chloride, Acetontrile, DMAC or DMSO.

For research use only. Not intended for animal or human therapeutic or diagnostic use.

Storage and handling	-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.