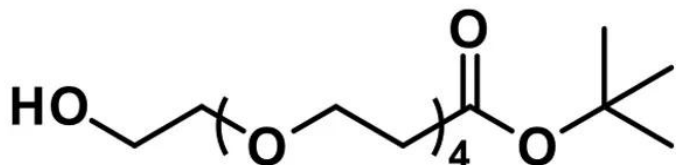


# HYDROXY-DPEG®<sub>4</sub>-T-BUTYL ESTER

**SKU:** OBD-10223



Hydroxy-dPEG®4-t-butyl ester, product number QBD-10223, is a versatile 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. The tert-butyl ester deprotects with trifluoroacetic acid (TFA), 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

<b>Unit Size</b>	100 mg, 1000 mg
<b>Molecular Weight</b>	332.39; single compound
<b>Chemical formula</b>	C <sub>15</sub> H <sub>30</sub> O <sub>7</sub>
<b>CAS</b>	518044-32-1
<b>Purity</b>	> 98%
<b>Spacers</b>	dPEG® Spacer is 16 atoms and 18.0 Å
<b>Shipping</b>	Ambient
<b>Typical solubility properties (for additional information contact Customer Support)</b>	Methylene chloride, Acetonitrile, 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.

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