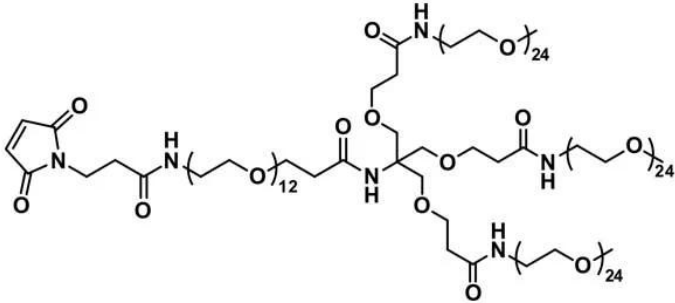


## MAL-DPEG®<sub>12</sub>-TRIS(M-DPEG®<sub>24</sub>)<sub>3</sub>

SKU: QBD-11471



MAL-dPEG®<sub>12</sub>-Tris(m-dPEG®<sub>24</sub>)<sub>3</sub>, product number QBD-11471, is a thiol-reactive, methyl-terminated, four-arm monodispersed PEG product designed to modulate biodistribution of conjugates. Tris forms the core of the molecule. Three equal-length methyl-terminated long arms plus one maleimido-terminated short arm extend from the tris core.

The amphiphilic dPEG® construct imparts hydrophilicity to conjugates, reduces or eliminates the conjugates' antigenicity, and increases the hydrodynamic volume of conjugated molecules. With increased hydrodynamic volume, the renal clearance of conjugate molecules is reduced or eliminated.

The maleimidopropyl (MAL) group reacts chemoselectively with free thiols at pH 6.5 - 7.5 to form stable thioether bonds. Maleimide-thiol conjugations are click chemistry-like reactions and one of the most popular ways to form thioether bonds in biomolecules.

This product is designed for modifying biomolecules like antibodies and antibody fragments but can be used in any bioconjugate application where free thiols are available for reaction. Potential product applications include reducing or eradicating renal clearance, extending in vivo circulating half-life, and suppressing immune responses to conjugates.

### Specifications

<b>Unit Size</b>	25 mg, 100 mg
<b>Molecular Weight</b>	4299.06; single compound;
<b>Chemical formula</b>	C <sub>194</sub> H <sub>378</sub> N <sub>6</sub> O <sub>94</sub>
<b>CAS</b>	N/A

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

<b>Purity</b>	> 95%
<b>Spacers</b>	dPEG® Spacer is 127 atoms and 103.0 Å, avg.
<b>Shipping</b>	Ambient
<b>Typical solubility properties (for additional information contact Customer Support)</b>	Methylene chloride, DMAC, DMSO or water
<b>Storage and handling</b>	-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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