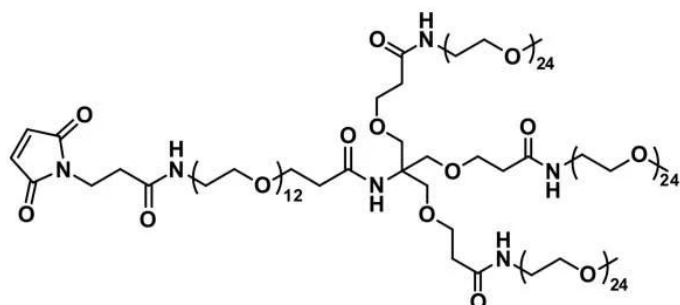




MAL-dPEG®₁₂-Tris(M-dPEG®₂₄)₃

SKU: QBD-11471



DESCRIPTION

MAL-dPEG®₁₂-Tris(m-dPEG®₂₄)₃, 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.

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



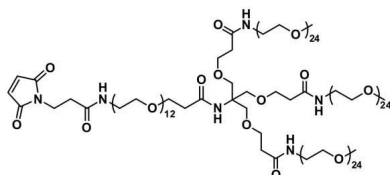
SPECIFICATIONS

CAS Number	N/A
Molecular Weight	4299.06; single compound;
Chemical Formula	C ₁₉₄ H ₃₇₈ N ₆ O ₉₄
Purity	> 95%
Unit Size	25 mg, 100 mg
Solubility	Methylene chloride, DMAC, DMSO or water
Spacers	dPEG® Spacer is 127 atoms and 103.0 Å, avg.
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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