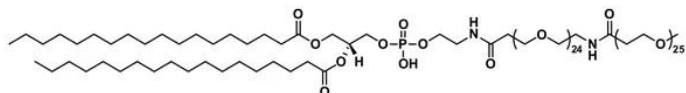


M-DPEG®₂₅-AMIDO-DPEG®₂₄-DSPE

SKU: QBD-11095



m-dPEG®₂₅-amido-dPEG®₂₄-DSPE, product number QBD-11095, modifies the lipid 1,2-Distearoyl-sn-glycero-3-phosphoethanolamine (DSPE) with a long (153 atoms, 179.8 Å), methoxy-terminated, single molecular weight, discrete polyethylene glycol (dPEG®) spacer. The spacer length is equivalent to a monodispersed mPEG49. This product is designed to protect liposomes and micelles from opsonization and elimination by the reticuloendothelial system (RES). The m-dPEG® spacer offers protection from opsonization comparable to the traditional polymer mPEG2000, but the monodispersed m-dPEG® product is a single compound, not a non-uniform (dispersed) polymer. The methyl-capped dPEG® spacer has a neutral charge.

Vector Laboratories' dPEG® products are highly pure single molecular weight compounds with a discrete chain length. Traditional PEG compounds used to coat liposomes and micelles consist of an intractable mixture of different chain lengths and molecular weights. The non-uniform polymeric mixture leads to irreproducible purity profiles, unlike dPEG® compounds.

Specifications

Unit Size	25 mg, 100mg
Molecular Weight	3019.76; single compound
Chemical formula	C ₁₄₄ H ₂₈₅ N ₂ O ₅₉ P
CAS	N/A
Purity	> 98%
Spacers	dPEG® Spacer is 153 atoms and 179.8 Å
Shipping	Ambient
Typical solubility properties (for additional information contact Customer Support)	Methylene Chloride, Methanol, Acetonitrile, or DMF.

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.

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