DSPE-PEG-NH2 (ammonium) (MW 1000)

Catalog # U0903 Size 25 mg

Applications

For research use only. We do not sell to patients.

Chemical Structure

Specification

Product Description	DSPE-PEG-NH2 (ammonium) (MW 1000) is a phosphoethanolamine involved in the synthesis of liposomes for delivery systems. The amino group of DSPE-PEG-NH2 can be converted to an aromatic aldehyde, which reacts with an acetone-protected aromatic hydrazine on the surface of the bovine carbonic anhydrase (BCA) molecule. Liposomes form a liposome-BAH-BCA conjugate by forming a bisarylhydrazone (BAH) with the target enzyme molecule. The conjugate catalyzes the hydration of carbon dioxide to bicarbonate.
Molecular Formula	$(C_2H_4O)_nN_2O_{10}P\text{-}NH_3$
Theoretical MW (kDa)	1000
Form	Lyophilized
Purity	99.48%
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
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Applications

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- In vitro Transcription

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