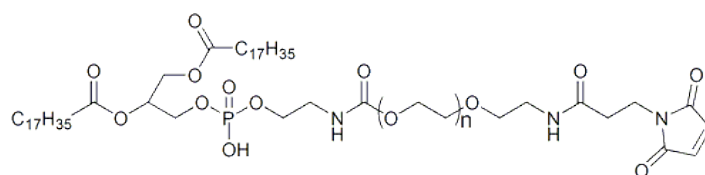


DSPE-PEG_x-Maleimide

Product Description

Name :	DSPE-PEG_x-Maleimide DSPE : distearoylphosphatidylethanolamine PEG : PolyEthyleneGlycol Syn. : . Maleimide PEG DSPE ; DSPE-PEG-MAL 1,2-distearoyl-sn-glycero-3-phosphoethanolamine PEG Maleimide
Molecular Weight	Catalog Number :
MW 400Da	AWJV52, 1 mg
MW 1000Da	JO2572, 1 mg
MW 2000 Da	1D0532, 1 mg
MW 3400Da	WU0882, 1 mg
MW 5000Da	1D1022, 1 mg
MW 10000Da	1D1032, 1 mg
MW 20000 Da	1D1042, 1 mg
Properties:	Solubility: in chloroform, etc and hot water, ...
Storage:	+4°C. For long term store at -20°C [M] 0.



Technical information

Maleimide group reacts with sulfhydryls in mild conditions, at neutral pH.

DSPE (distearoylphosphatidylethanolamine) belongs to the Phosphatidylethanolamines class of phospholipids, found in biological membranes, mainly found in the inner (cytoplasmic) leaflet of the lipid bilayer. It is a saturated C18 phospholipid that is highly hydrophobic.

PEG spacer is PolyEthyleneGlycol chain, that acts as a hydrophilic spacer between the 2 functional groups.

Applications:

Pegylated phospholipids have longer blood circulation time and higher stability for encapsulated drugs.

DSPE PEG derivatives can be used in biochemistry, to prepare drug delivery systems, on polypeptide synthesis support, to graft polymer compounds, to prepare functional coatings... and also for bioassay development, for the study of ligands,

- medical research
- drug-release
- cell culture
- nanotechnology
- new materials research

Related products

Pegylated PEGs¹: i.e. Lipoic acid – PEGs ([FT-0A5061](#)), DSPE-PEG_x-Folate ([FT-LD454A](#))

Ordering information

Catalog size quantities and prices may be found at <http://www.interchim.com>, or [Contact](#) your local distributor.
 For any information, please ask : Uptima / Interchim; Hotline : +33(0)4 70 03 73 06

Disclaimer : Materials from Uptima are sold **for research use only**, and are not intended for food, drug, household, or cosmetic uses.
 Uptima is not liable for any damage resulting from handling or contact with this product.

Rev.U08E