

Product Information

Amide/Phosphate PEG reagent, 14:0 PEG PE, MW 750, Purity ≥95%

Cat. No.: X25-10-YM168

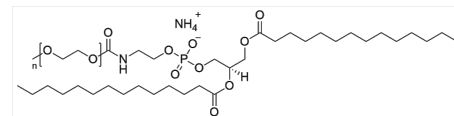
Size: 25 mg; 50 mg; 100 mg; 200 mg

CAS Number: 474922-82-2

PubChem CID: 156594148

Synonym: 474922-82-2; DMPE-MPEG-2000 ammonium salt

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	14:0 PEG PE is composed of the functional groups amide and phosphate.
Functional Group 1	Amide
Functional Group 2	Phosphate
IUPAC Name	Azane;[3-[hydroxy-[2-(2-methoxyethoxycarbonylamino)ethoxy]phosphoryl]oxy-2-tetradecanoyloxypropyl] tetradecanoate
InChI Key	DJYTWZDTQHDVBC-UHFFFAOYSA-N
Canonical SMILES	CCCCCCCCCCCCC(=O)OCC(COP(=O)(O)OCCNC(=O)OCCOC)OC(=O)CCCCCCCCCCCCC.N
Form	Solid/liquid
Purity	≥95%
Impurities	No visible impurities to the naked eye.
Identity	Confirmed by NMR.
Applications	14:0 PEG PE displays the significant potential to act as an effective component in the formulation of lipid-based drug delivery systems that require stability and biocompatibility.
Storage	Store at -20°C.