

## Product Information

### Amide/Phosphate PEG reagent, 14:0 PEG PE, MW 550, Purity ≥95%

**Cat. No.:** X25-10-YM175

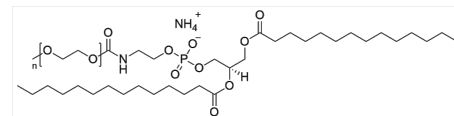
**Size:** 5 mg; 10 mg; 25 mg; 50 mg

**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

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