

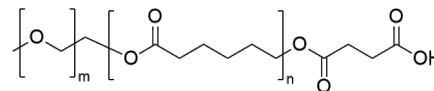
## Product Information

### Carboxylic acid/PCL PEG reagent, mPEG(5k)-PCL(5k)-COOH, Purity≥95%

**Cat. No.:** X24-12-LY0250

**Size:** 100 mg; 250 mg; 500 mg; 1 g

**Synonym:** Carboxylic acid/PCL PEG reagent; mPEG(5k)-PCL(5k)-COOH; HOOC-PCL(5k)-mPEG(5k); mPEG-PCL-COOH



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

#### Product Information

<b>Description</b>	mPEG(5k)-PCL(5k)-COOH is a biocompatible block copolymer. The carboxyl group and the amine react in the presence of an activator (e.g., HATU/EDC) to form an amide bond. The polymer is made of two distinct polymers, a hydrophilic PEG block attached to a hydrophobic polycaprolactone (PCL) block.
<b>Molecular Weight</b>	mPEG(5 kDa), PCL(5 kDa)
<b>Functional Group 1</b>	Carboxylic acid
<b>Functional Group 2</b>	PCL
<b>Functional Group 3</b>	None
<b>Reactive Group 1</b>	Amine
<b>Form</b>	Solid
<b>Purity</b>	≥95%
<b>Identity</b>	Confirmed by NMR.
<b>Applications</b>	mPEG(5k)-PCL(5k)-COOH can be used to develop biosensors because its surface characteristics enhance the interaction between biomolecules.
<b>Storage</b>	Store at -20°C.