

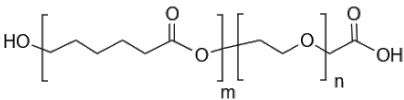
Product Information

Carboxylic acid/PCL PEG reagent, PCL(3k)-PEG(1k)-COOH, Purity≥95%

Cat. No.: X24-12-LY0360

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

Synonym: Carboxylic acid/PCL PEG reagent; PCL(3k)-PEG(1k)-COOH; HOOC-PEG(1k)-PCL(3k)



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

Product Information

Description	PCL(3k)-PEG(1k)-COOH is a linear biodegradable amphiphilic polymer consists of a polycaprolactone (PCL) block and a hydrophilic shell (PEG) block. The carboxylic acid reacts with primary amines in the presence of an activator (e.g., HATU/EDC) to form an amide bond.
Molecular Weight	PCL(3 kDa), PEG(1 kDa)
Functional Group 1	Carboxylic acid
Functional Group 2	PCL
Functional Group 3	None
Reactive Group 1	Amine
Form	Soild
Purity	≥95%
Identity	Confirmed by NMR.
Applications	PCL(3k)-PEG(1k)-COOH can be used to prepare nanoparticles or functional coatings to improve the solubility of materials, reduce immunogenicity, and enhance their stability in specific environments.
Storage	Store at -20°C.