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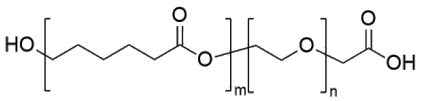
Product Information

Carboxylic acid/PCL PEG reagent, PCL(5k)-PEG(3k)-COOH, Purity≥95%

Cat. No.: X24-12-LY0208

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

Synonym: Carboxylic acid/PCL PEG reagent; PCL(5k)-PEG(3k)-COOH; HOOC-PEG(3k)-PCL(5k)



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

Product Information

Description	PCL(5k)-PEG(3k)-COOH is a micelle-forming polymer with carboxyl terminal and PCL block. The carboxyl group and the amine react in the presence of an activator (e.g., HATU/EDC) to form an amide bond. The polycaprolactone (PCL) is biodegradable *via*- hydrolysis on the ester bonds.
Molecular Weight	PCL(5 kDa), PEG(3 kDa)
Functional Group 1	Carboxylic acid
Functional Group 2	PCL
Functional Group 3	None
Reactive Group 1	Amine
Form	Solid
Purity	≥95%
Identity	Confirmed by NMR.
Applications	PCL(5k)-PEG(3k)-COOH can be used as a biocompatible polymer for molecule delivery systems and tissue engineering applications.
Storage	Store at -20°C.