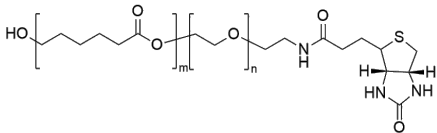


Product Information

Biotin/PCL PEG reagent, PCL(2k)-PEG(5k)-BIO, Purity≥95%

Cat. No.: X24-12-LY0241
Size: 100 mg; 250 mg; 500 mg; 1 g
Synonym: Biotin/PCL PEG reagent; PCL(2k)-PEG(5k)-BIO; BIO-PEG(5k)-PCL(2k)
This product is for research use only and is not intended for diagnostic use.



Product Information

Description	PCL(2k)-PEG(5k)-BIO is a micelle-forming polymer with hydrophobic polycaprolactone (PCL) tethered to a hydrophilic PEG. The hydrophobic polycaprolactone (PCL) can be hydrolyzed on the ester bonds. Biotin binds strongly with avidin or streptavidin.
Molecular Weight	PCL(2 kDa), PEG(5 kDa)
Functional Group 1	Biotin
Functional Group 2	PCL
Functional Group 3	None
Reactive Group 1	Avidin
Reactive Group 2	Streptavidin
Form	Solid
Purity	≥95%
Identity	Confirmed by NMR.
Applications	PCL(2k)-PEG(5k)-BIO can be used for the construction of biosensors. The detection and monitoring of target molecules can be achieved through the interaction between biotin and biotin receptors.
Storage	Store at -20°C.