

## PLLA/Thiol PEG reagent, PLLA(4k)-PEG(5k)-thiol, Purity≥95%

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

$$\text{H}-\left[\text{O}-\underset{\text{CH}_3}{\text{CH}}-\overset{\text{O}}{\parallel}{\text{C}}-\text{O}-\left[\text{CH}_2-\text{CH}_2-\text{O}\right]_n-\text{CH}_2-\text{CH}_2-\text{SH}\right]_m$$

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

|                    |                                                                                                                                                                                                                       |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description        | PLLA(4k)-PEG(5k)-Thiol is a PEG linker with a molecular weight of 4 kDa for PLLA (poly-L-lactic acid) and 5 kDa for PEG. The thiol group at the end allows it to react with maleimide or other thiol-reactive groups. |
| Molecular Weight   | PLLA(4 kDa), PEG(5 kDa)                                                                                                                                                                                               |
| Functional Group 1 | PLLA                                                                                                                                                                                                                  |
| Functional Group 2 | Thiol                                                                                                                                                                                                                 |
| Functional Group 3 | None                                                                                                                                                                                                                  |
| Reactive Group 1   | Maleimide                                                                                                                                                                                                             |
| Form               | Soild                                                                                                                                                                                                                 |
| Purity             | ≥95%                                                                                                                                                                                                                  |
| Identity           | Confirmed by NMR.                                                                                                                                                                                                     |
| Applications       | PLLA(4k)-PEG(5k)-Thiol can be used to construct the signal transduction portion of a biosensor, where signal amplification and transduction is achieved through specific binding to biomolecules.                     |
| Storage            | Store at -20°C.                                                                                                                                                                                                       |