

Product Information

Lipoamide/Maleimide PEG reagent, Lipoamide-PEG11-Mal, Purity ≥95%

Cat. No.: X26-09-ZQ407

Size: 100 mg; 250 mg; 500 mg

Synonym: Lipoamido-PEG11-maleimide; Lipoamide-PEG11-maleimide; Lipoamido-polyethylene glycol11-maleimide; Lipoamido-undecaethylene glycol-maleimide; Lipoamide-PEG11-maleimide

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

Product Information	
Description	This product is a long-chain heterobifunctional polyethylene glycol (PEG) crosslinker containing a lipoamide head and a maleimide (Mal) group. The hydrophilic PEG11 spacer effectively suppresses non-specific biomolecular adsorption while maintaining adequate spatial distance between coupled components. The dual thiol-containing lipoamide ring forms stable, anchor-like bonds on gold or silver surfaces.
Molecular Weight	884.1
Molecular Formula	C ₃₉ H ₆₉ N ₃ O ₁₅ S ₂
Functional Group 1	Lipoamide
Functional Group 2	Maleimide
Reactive Group 1	Thiol
Purity	≥95%
Applications	This product can be used for the robust immobilization of sulfhydryl-containing ligands onto gold substrates, passivation of noble metal nanoparticles, and fabrication of advanced bio-electronic interfaces in analytical chemistry.
Storage	Store at -20°C.