

Product Information

SPDP/Carboxylic acid PEG reagent, SPDP-PEG36-acid, Purity ≥95%

Cat. No.: X26-09-ZQ388

Size: 100 mg; 250 mg; 500 mg

Synonym: SPDP-PEG36-carboxylic acid; SPDP-polyethylene glycol36-acid; 3-(2-Pyridyldithio)propionate-PEG36-acid; SPDP-hexatriacontaethylene glycol-acid

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

Product Information	
Description	This ultra-long heterobifunctional crosslinker couples a pyridyldithio (SPDP) handle to a carboxylic acid group through a polyethylene glycol (PEG36) chain. The SPDP handle permits reversible disulfide bond formation with thiols. The carboxylic acid can be conjugated to primary amines using standard coupling agents. The PEG36 chain delivers maximum solubility and spatial extension.
Molecular Weight	1872.3
Molecular Formula	C ₈₃ H ₁₅₈ N ₂ O ₃₉ S ₂
Functional Group 1	SPDP
Functional Group 2	Carboxylic acid
Reactive Group 1	Thiol
Reactive Group 2	Amine
Reactive Group 3	Alcohol
Purity	≥95%
Applications	This product can be used for long-range thiol-to-amine conjugation on large carbohydrates, minimizing steric crowding, and constructing water-soluble bioconjugates.
Storage	Store at -20°C.