

Product Information

SPDP/NHS ester PEG reagent, SPDP-PEG36-NHS ester, Purity ≥90%

Cat. No.: X26-09-ZQ392

Size: 100 mg; 500 mg; 1 g

Synonym: SPDP-PEG36-NHS; SPDP-polyethylene glycol36-NHS ester; SPDP-PEG36-succinimidyl ester; 3-(2-Pyridyldithio)propionate-PEG36-NHS ester

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

Product Information	
Description	This extended amine-reactive crosslinker connects a pyridyldithio (SPDP) group to an <i>N</i> -hydroxysuccinimide (NHS) ester <i>via</i> an ultra-long polyethylene glycol (PEG36) chain. The SPDP group enables exchange with thiols to form reversible disulfide linkages. The NHS ester targets primary amines. The PEG36 chain provides exceptional aqueous solubility and spatial flexibility.
Molecular Weight	1968.4
Molecular Formula	C ₈₈ H ₁₆₂ N ₂ O ₄₁ S ₂
Functional Group 1	SPDP
Functional Group 2	NHS ester
Reactive Group 1	Thiol
Reactive Group 2	Amine
Purity	≥90%
Applications	This product can be used to label primary amines on large polysaccharides, construct water-soluble cleavable probes, and functionalize material surfaces over extended distances.
Storage	Store at -20°C.