

Product Information

Thioacetate/Azide PEG reagent, S-acetyl-ethylene-amide-PEG11-azide, Purity ≥90%

Cat. No.: X26-09-ZQ406

Size: 50 mg; 100 mg

Synonym: S-Acetyl-ethylene-amide-PEG11-N₃; Thioacetate-ethylene-amide-PEG11-azide; S-Acetyl-ethylene-amide-polyethylene glycol11-azide; S-Acetyl-ethylene-amide-undecaethylene glycol-azide

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

Product Information

Description	This product is a protected thiol-PEG-azide linker featuring an S-acetyl group and a reactive azide functionality separated by eleven ethylene glycol units. The S-acetyl protecting group prevents premature thiol oxidation and can be deprotected selectively under mild alkaline or hydroxylamine conditions. The azide group readily participates in copper-catalyzed or copper-free azide-alkyne click cycloadditions.
Molecular Weight	700.9
Molecular Formula	C ₂₉ H ₅₆ N ₄ O ₁₃ S
Functional Group 1	Thioacetate
Functional Group 2	Azide
Reactive Group 1	Alkyne
Reactive Group 2	BCN
Reactive Group 3	DBCO
Purity	≥90%
Applications	This product can be used to synthesize orthogonal bio-conjugates, construct multifunctional polymer architectures, and pattern surfaces via sequential click chemistry and thiol coupling in chemical research studies.
Storage	Store at -20°C.