

Product Information

Thioacetate/Alcohol PEG reagent, S-acetyl-PEG12-alcohol, Purity ≥95%

Cat. No.: X26-09-ZQ408

Size: 100 mg

Synonym: S-Acetyl-PEG12-hydroxyl; S-Acetyl-polyethylene glycol12-alcohol; Thioacetate-PEG12-alcohol; S-Acetyl-dodecaethylene glycol-alcohol; S-Acetyl-PEG12-hydroxy

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

Product Information	
Description	This product is a protected thiol-polyethylene glycol (PEG) derivative containing an S-acetyl group and a terminal hydroxyl function. The acetyl moiety shields the thiol from oxidation, allowing long-term storage and selective deprotection prior to use. The hydrophilic PEG chain containing twelve repeating units imparts high water solubility to the compound.
Molecular Weight	604.8
Molecular Formula	C ₂₆ H ₅₂ O ₁₃ S
Functional Group 1	Thioacetate
Functional Group 2	Alcohol
Reactive Group 1	Acid chloride
Purity	≥95%
Applications	This product can be used to prepare stable self-assembled monolayers upon deprotection, serve as a soluble precursor for modified polymers, and act as a hydrophilic spacer in material functionalization studies.
Storage	Store at -20°C.