

Product Information

t-Butyl ester/S-S disulfide bond PEG reagent, THP-SS-PEG1-*t*-Butyl ester, Purity 98%

Cat. No.: X24-03-YW0434

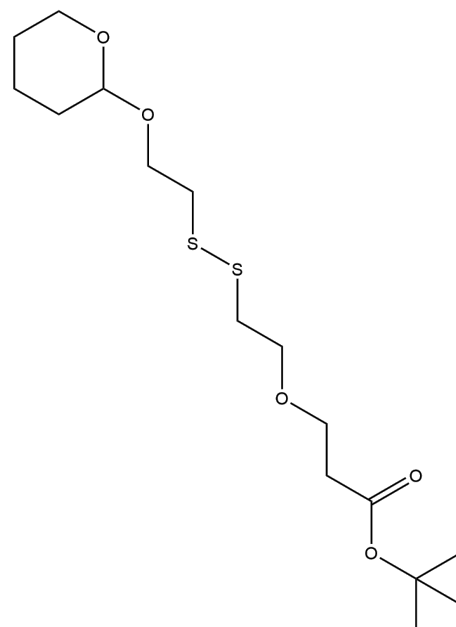
Size: 100 mg; 250 mg; 500 mg

CAS Number: 1807503-88-3

PubChem CID: 91757792

Synonym: THP-SS-PEG1-*t*-butyl ester; 1807503-88-3; THP-SS-PEG1-Boc; THP-SS-PEG1-*t*-BUTYLESTER

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



Product Information

Description	THP-SS-PEG1- <i>t</i> -butyl ester is a reagent grade compound designed for research purposes, featuring a cleavable disulfide bond and a PEG linker.
Molecular Weight	366.5
Molecular Formula	C ₁₆ H ₃₀ O ₅ S ₂
Functional Group 1	<i>t</i> -Butyl ester
Functional Group 2	S-S disulfide bond
Functional Group 3	None
Reactive Group 1	Deprotection
IUPAC Name	<i>Tert</i> -butyl 3-[2-[2-(oxan-2-yloxy)ethyl]disulfanyl]ethoxy]propanoate
InChI	InChI=1S/C16H30O5S2/c1-16(2,3)21-14(17)7-9-18-10-12-22-23-13-11-20-15-6-4-5-8-19-15/h15H,4-13H2,1-3H3
InChI Key	JTKJXQXCOWSQCZ-UHFFFAOYSA-N
Canonical SMILES	CC(C)(C)OC(=O)CCOCCSSCCOC1CCCCO1
Form	Liquid
Purity	98%
Identity	Confirmed by NMR.

Applications	THP-SS-PEG1- <i>t</i> -butyl ester is used in bioconjugation and drug delivery research, enabling the development of cleavable linkers for controlled release in various applications.
Storage	Store at -20°C.