

Product Information

NHS/S-S disulfide bond/Trifluoroacetamido PEG reagent, Trifluoroacetamidoethyl-SS-propionic NHS ester, Purity 99%

Cat. No.: X24-03-YW0483

Size: 50 mg; 100 mg; 250 mg

CAS Number: 2380318-60-3

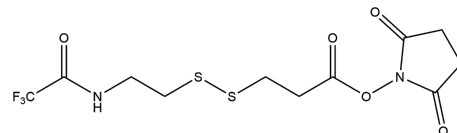
PubChem CID: 139593567

Synonym: 2380318-60-3; Trifluoroacetamidoethyl-SS-propionic NHS ester;

BP-24422; CS-0254599; 2,5-Dioxopyrrolidin-1-yl

3-((2-(2,2,2-trifluoroacetamido)ethyl)disulfanyl)propanoate

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



Product Information

Description	Trifluoroacetamidoethyl-SS-propionic NHS ester is a reagent grade cleavable linker containing an NHS ester.
Molecular Weight	374.4
Molecular Formula	C ₁₁ H ₁₃ F ₃ N ₂ O ₅ S ₂
Functional Group 1	NHS
Functional Group 2	S-S disulfide bond
Functional Group 3	Trifluoroacetamido
Reactive Group 1	Acid
Reactive Group 2	Amine
IUPAC Name	(2,5-Dioxopyrrolidin-1-yl) 3-[2-[(2,2,2-trifluoroacetyl)amino]ethyl]disulfanyl]propanoate
InChI	InChI=1S/C11H13F3N2O5S2/c12-11(13,14)10(20)15-4-6-23-22-5-3-9(19)21-16-7(17)1-2-8(16)18/h1-6H2,(H,15,20)
InChI Key	WQEBROPMGISFEK-UHFFFAOYSA-N
Canonical SMILES	C1CC(=O)N(C1=O)OC(=O)CCSSCCNC(=O)C(F)(F)F
Form	Solid/liquid
Purity	99%
Solubility	DMSO, DCM, DMF
Identity	Confirmed by NMR.

Applications	Trifluoroacetamidoethyl-SS-propionic NHS ester is used in bioconjugation and molecular biology research, facilitating labeling of primary amines on proteins and other molecules, with controlled release through disulfide bond cleavage.
Storage	Store at -20°C.