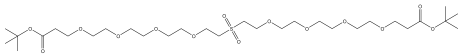


Product Information

BS3 crosslinker (disodium)

Cat. No.: X24-09-YYX136
Size: 50 mg; 100 mg; 250 mg
CAS Number: 127634-19-9
PubChem CID: 6097991
Synonym: 127634-19-9; Bis(sulfosuccinimidyl) suberate sodium salt; BS3
Crosslinker; Suberate Bis(sulfosuccinimidyl) Sodium Salt; 910292-87-4
This product is for research use only and is not intended for diagnostic use.



Product Information

Description	BS3 crosslinker (disodium) is a specialized chemical reagent. It is designed to form covalent bonds between biomolecules, such as proteins. This property makes it valuable for studying protein-protein interactions and for stabilizing protein complexes. It can be applied in the development of antibody-drug conjugates and in the characterization of protein structures.
Molecular Weight	572.4
Molecular Formula	C ₁₆ H ₁₈ N ₂ Na ₂ O ₁₄ S ₂
Functional Group 1	Amide
Functional Group 2	Sulfonic acid
Functional Group 3	Thiol
Reactive Group 1	Hydroxyl
Reactive Group 2	Alkenyl
Reactive Group 3	Alkynyl
IUPAC Name	Disodium;1-[8-(2,5-dioxo-3-sulfonatopyrrolidin-1-yl)oxy-8-oxooctanoyl]oxy-2,5-dioxopyrrolidine-3-sulfonate
InChI	InChI=1S/C16H20N2O14S2.2Na/c19-11-7-9(33(25,26)27)15(23)17(11)31-13(21)5-3-1-2-4-6-14(22)32-18-12(20)8-10(16(18)24)34(28,29)30;;/h9-10H,1-8H2,(H,25,26,27)(H,28,29,30);;/q;2*+1/p-2
InChI Key	MGJYOHMBGJPESL-UHFFFAOYSA-L
Canonical SMILES	C1C(C(=O)N(C1=O)OC(=O)CCCCC(=O)ON2C(=O)CC(C2=O)S(=O)(=O)[O-])S(=O)(=O)[O-].[Na+].[Na+]
Form	Solid
Identity	Confirmed by NMR.

Applications	BS3 is a water-soluble, non-cleavable crosslinker used in protein-protein interaction studies. It can form stable crosslinks between proteins and is widely employed in proteomics, cell biology, and structural biology to stabilize protein complexes.
Storage	Store at -20°C.