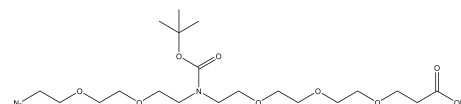


Sulfo-NHS

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



Description	Sulfo-NHS is a water-soluble reagent that is frequently used to activate carboxyl groups for conjugation reactions. It is widely applied in biochemistry and biotechnology for modifying proteins and other biomolecules, especially when working in aqueous environments.
Molecular Weight	217.1
Molecular Formula	C ₄ H ₄ NN _a O ₆ S
Functional Group 1	Hydroxyl
Functional Group 2	NHS
Functional Group 3	Sulfonyl
Reactive Group 1	Acid
Reactive Group 2	Amine
IUPAC Name	Sodium;1-hydroxy-2,5-dioxopyrrolidine-3-sulfonate
InChI	InChI=1S/C4H5NO6S.Na/c6-3-1-2(12(9,10)11)4(7)5(3)8;/h2,8H,1H2,(H,9,10,11);/q;+1/p-1
InChI Key	RPENMORRBUTCPR-UHFFFAOYSA-M
Canonical SMILES	C1C(C(=O)N(C1=O)O)S(=O)(=O)[O-].[Na+]
Form	Solid
Identity	Confirmed by NMR.
Applications	Sulfo-NHS is primarily used for coupling reactions in bioconjugation. It enhances the reactivity of carboxylic acids with amines to form stable amide bonds, making it useful in the labeling of proteins and peptides for various biochemical applications, including the development of biopharmaceuticals.
Storage	Store at -20°C.