

Product Information

NHS PEG reagent, Di(*N*-succinimidyl)adipate, Purity 98%

Cat. No.: X24-09-YYX155

Size: 500 mg; 1 g

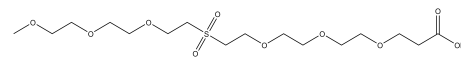
CAS Number: 59156-70-6

PubChem CID: 11233085

Synonym: 59156-70-6; Di(*N*-succinimidyl) adipate; Di(*N*-succinimidyl)adipate;

N,N'-Adipoylbisoxymethylsuccinimide; bis(2,5-dioxopyrrolidin-1-yl) adipate

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



Product Information

Description	Di(<i>N</i> -succinimidyl)adipate is a bifunctional reagent with two succinimidyl ester groups. It is used for crosslinking amine-containing molecules, such as proteins, to form covalent bonds. It finds applications in protein structure studies and the development of biomaterials.
Molecular Weight	340.3
Molecular Formula	C ₁₄ H ₁₆ N ₂ O ₈
Functional Group 1	Amide
Functional Group 2	NHS
Functional Group 3	None
Reactive Group 1	Amine
IUPAC Name	Bis(2,5-dioxopyrrolidin-1-yl) hexanedioate
InChI	InChI=1S/C14H16N2O8/c17-9-5-6-10(18)15(9)23-13(21)3-1-2-4-14(22)24-16-11(19)7-8-12(16)20/h1-8H2
InChI Key	LZZXZDMVRZJZST-UHFFFAOYSA-N
Canonical SMILES	C1CC(=O)N(C1=O)OC(=O)CCCCC(=O)ON2C(=O)CCC2=O
Form	Solid or viscous liquid
Purity	98%
Solubility	DMSO, DMF, Acetonitrile
Identity	Confirmed by NMR.
Applications	This compound is commonly used as a crosslinking agent in bioconjugation and protein labeling due to its ability to react with amines, facilitating the formation of stable linkages between biomolecules.
Storage	Store at -20°C.

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