

Product Information

NHS PEG reagent, 3-(m-PEG8-ethoxycarbonyl)propanoic-NHS ester

Cat. No.: X24-09-YYX214

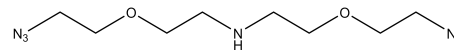
Size: 100 mg; 250 mg; 500 mg

CAS Number: 2353409-76-2

PubChem CID: 137334045

Synonym: 2353409-76-2; m-PEG8-ethoxycarbonyl-NHS ester; 3-(m-PEG8-ethoxycarbonyl)propanoic-NHS ester; m-PEG8-ethoxycarbonyl--NHS ester; 2,5-Dioxopyrrolidin-1-yl (2,5,8,11,14,17,20,23-octaioxapentacosan-25-yl) succinate

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



Product Information

Description	3-(m-PEG8-ethoxycarbonyl)propanoic-NHS ester is a specialized chemical compound. It incorporates a m-PEG8 (methoxy polyethylene glycol of length 8) group attached to an ethoxycarbonyl moiety and a propanoic acid group terminated with an NHS ester. The m-PEG8 segment enhances the the solubility and biocompatibility of compounds. The NHS ester functionality provides a reactive site for conjugation with various molecules.
Molecular Weight	581.6
Molecular Formula	C ₂₅ H ₄₃ NO ₁₄
Functional Group 1	Ester
Functional Group 2	NHS
Functional Group 3	None
Reactive Group 1	Amine
IUPAC Name	4-O-(2,5-Dioxopyrrolidin-1-yl) 1-O-[2-[2-[2-[2-[2-[2-(2-methoxyethoxy)ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethyl] butanedioate
InChI	InChI=1S/C25H43NO14/c1-31-6-7-32-8-9-33-10-11-34-12-13-35-14-15-36-16-17-37-18-19-38-20-21-39-24(29)4-5-25(30)40-26-22(27)2-3-23(26)28/h2-21H2,1H3
InChI Key	GEZGBNKPTJXTNY-UHFFFAOYSA-N
Canonical SMILES	COCCOCCOCCOCCOCCOCCOCCOCCOC(=O)CCC(=O)ON1C(=O)CCC1=O
Form	Solid or viscous liquid
Identity	Confirmed by NMR.

Applications	3-(m-PEG8-ethoxycarbonyl)propanoic-NHS ester could find application in the development of new materials or in the modification of biomolecules for specific functions.
Storage	Store at -20°C.