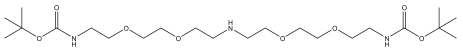
SUITE 201, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-637-6119 | Email: info@bioglyco.com

Product Information

NHS PEG reagent, m-PEG7-NHS ester, Purity 98%



Cat. No.: X24-09-YYX176

Size: 100 mg; 500 mg; 1 g

CAS Number: 874208-92-1

PubChem CID: 57890912

Synonym: 874208-92-1; m-PEG7-NHS ester; m-PEG7 NHS ester; mPEG6-CH_2CH_2COONHS ester; 2,5-Dioxopyrrolidin-1-yl 2,5,8,11,14,17,20-heptaoxatricosan-23-oate

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

Product Information

Description	m-PEG7-NHS ester is a PEG linker that includes an NHS ester. This NHS ester can be utilized for labeling primary amines *t*-found in proteins, amine-modified oligonucleotides, and other molecules containing amino groups. It is commonly used in the modification of proteins, peptides, and in the development of drug conjugates to improve their pharmacokinetic properties.
Molecular Weight	465.5
Molecular Formula	$C_{20}H_{35}NO_{11}$
Functional Group 1	Ester
Functional Group 2	NHS
Functional Group 3	None
Reactive Group 1	Amine
IUPAC Name	(2,5-Dioxopyrrolidin-1-yl) 3-[2-[2-[2-[2-[2-(2-methoxyethoxy)ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]propanoate
InChI	InChI=1S/C20H35NO11/c1-25-6-7-27-10-11-29-14-15-31-17-16-30-13-12-28-9-8-26-5-4-20(24)32-21-18(22)2-3-19(21)23/h2-17H2,1H3
InChI Key	WFZQJHMGKLLCOJ-UHFFFAOYSA-N
Canonical SMILES	COCCOCCOCCOCCOCCOCCOCCC(=O)ON1C(=O)CCC1=O
Form	Solid or viscous liquid
Purity	98%
Solubility	DMSO, DCM, DMF
Identity	Confirmed by NMR.

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Applications	This compound is often used in bioconjugation applications, where it serves as a linker for attaching biomolecules (like proteins or peptides) to surfaces or other molecules. The NHS group allows for covalent bond formation with amines, facilitating the creation of stable conjugates.
Storage	Store at -20°C.