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

Product Information

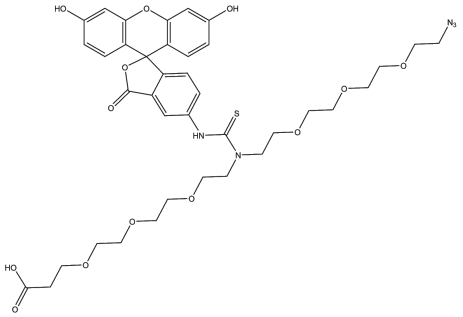
NHS PEG reagent, Bis-PEG8-NHS ester, Purity 98%

Cat. No.: X24-09-YYX165

Size: 100 mg; 250 mg; 500 mg

Synonym: Bis-Polyethylene Glycol 8-NHS; Bis-PEG8-*N*-hydroxysuccinimide ester; Bis-PEG8-NHS; Bis-PEG8-NHS ester

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



Product Information

Description	Bis-PEG8-NHS ester features two PEG8 chains ending with NHS esters. It is frequently employed in the synthesis of polymeric materials and for conjugating biomolecules to achieve specific properties such as enhanced solubility and biocompatibility.
Molecular Weight	664.7
Molecular Formula	$C_{28}H_{44}N_2O_{16}$
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-[2-[3-(2,5-Dioxopyrrolidin-1-yl)oxy-3-oxopropoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]propanoate
InChI	InChI=1S/C28H44N2O16/c31-23-1-2-24(32)29(23)45-27(35)5-7-37-9-11-39-13-15-41-17-19-43-21-22-44-20-18-42-16-14-40-12-10-38-8-6-28(36)46-30-25(33)3-4-26(30)34/h1-22H2
InChI Key	PUAMEGWXBSQSOU-UHFFFAOYSA-N
Isomeric SMILES	C1CC(=O)N(C1=O)OC(=O)CCOCCOCCOCCOCCOCCOCCOCCOCCC(=O)ON2C(=O)CCC2=O
Form	Solid or viscous liquid
Purity	98%
Identity	Confirmed by NMR.
Applications	The NHS ester functionalities are highly reactive, allowing for efficient conjugation with a wide range of biomolecules and other compounds. This makes Bis-PEG8-NHS ester a valuable reagent in the fields of bioconjugation, drug delivery, and the development of biomaterials. It can be utilized to modify the properties and functionality of various molecules, facilitating the creation of novel and targeted therapeutics or diagnostic agents.
Storage	Store at -20°C.

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