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

Product Information

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

Cat. No.: X24-09-YYX196

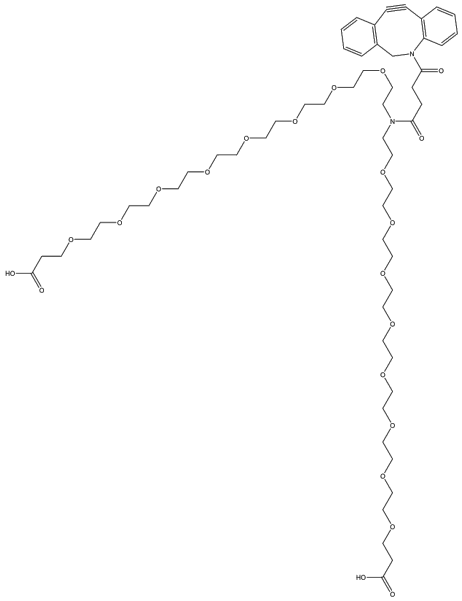
Size: 100 mg; 500 mg; 1 g

CAS Number: 1334170-02-3

PubChem CID: 53486139

Synonym: 1334170-02-3; Bis-PEG7-NHS ester; BIS-PEG7-NHSESTER; bis(2,5-dioxopyrrolidin-1-yl) 4,7,10,13,16,19,22-heptaoxapentacosanedioate

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



Product Information

Description	Bis-PEG7-NHS ester is a PEG linker containing two NHS ester groups. The hydrophilic PEG spacer increases solubility in aqueous media. The NHS ester can be used to label the primary amines *t*-of proteins, amine-modified oligonucleotides, and other amine-containing molecules. Reagent grade, for research purpose.
Molecular Weight	620.6
Molecular Formula	$C_{26}H_{40}N_2O_{15}$
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-[3-(2,5-Dioxopyrrolidin-1-yl)oxy-3-oxopropoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]propanoate
InChI	InChI=1S/C26H40N2O15/c29-21-1-2-22(30)27(21)42-25(33)5-7-35-9-11-37-13-15-39-17-19-41-20-18-40-16-14-38-12-10-36-8-6-26(34)43-28-23(31)3-4-24(28)32/h1-20H2
InChI Key	QWDCSPQIVZTPRD-UHFFFAOYSA-N
Canonical SMILES	C1CC(=O)N(C1=O)OC(=O)CCOCCOCCOCCOCCOCCOCCOCCC(=O)ON2C(=O)CCC2=O
Form	Solid or viscous liquid
Purity	98%

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Solubility	DMSO, DCM, DMF
Identity	Confirmed by NMR.
Applications	Bis-PEG7-NHS ester can be applied in the modification and cross-linking of biomolecules and polymers to improve their properties such as solubility and biocompatibility.
Storage	Store at -20°C.