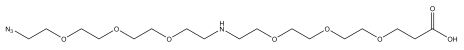
SUITE 201, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-637-6119 | Email: info@bioglyco.com

Product Information

Amine/NHS PEG reagent, *t*-Boc-*N*-amido-PEG2-CH_2CO_2-NHS ester, Purity 95%



Cat. No.: X24-09-YYX164

Size: 100 mg; 250 mg; 500 mg; 1 g

CAS Number: 911102-04-0

PubChem CID: 131750096

Synonym: 911102-04-0; BocNH-PEG2-CH_2COONHS; 3,6,11-Trioxa-9-azatridecanoic acid, 12,12-dimethyl-10-*oxo*-, 2,5-dioxo-1-pyrrolidinyl ester; *t*-Boc-*N*-amido-PEG2-CH_2CO_2-NHS ester; (2,5-dioxopyrrolidin-1-yl) 2-[2-[2-[(2-methylpropan-2-yl)oxycarbonylamino]ethoxy]ethoxy]acetate

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

Product Information

Description	*t*-Boc-*N*-amido-PEG2-CH_2CO_2-NHS ester serves as a PEG linker with both a terminal carboxylic acid and a Boc-protected amino group. The hydrophilic nature of the PEG spacer improves solubility in water. In the presence of activators such as EDC or HATU, the terminal carboxylic acid can react with primary amines to form stable amide bonds.
Molecular Weight	360.4
Molecular Formula	$C_{15}H_{24}N_2O_8$
Functional Group 1	Boc
Functional Group 2	Amine
Functional Group 3	NHS
Reactive Group 1	Acid
Reactive Group 2	Amine
IUPAC Name	(2,5-Dioxopyrrolidin-1-yl) 2-[2-[2-[(2-methylpropan-2-yl)oxycarbonylamino]ethoxy]ethoxy]acetate
InChI	InChI=1S/C15H24N2O8/c1-15(2,3)24-14(21)16-6-7-22-8-9-23-10-13(20)25-17-11(18)4-5-12(17)19/h4-10H2,1-3H3,(H,16,21)
InChI Key	ZQJVJINORRTODI-UHFFFAOYSA-N
Canonical SMILES	CC(C)(C)OC(=O)NCCOCCOCC(=O)ON1C(=O)CCC1=O
Form	Solid or viscous liquid
Purity	95%
Identity	Confirmed by NMR.

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Applications	This compound serves in the synthesis of peptide-drug conjugates. It is also used for modifying surfaces in biomedical applications to improve biocompatibility.
Storage	Store at -20°C.