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

Product Information

Bromoacetamido PEG reagent, Bromo-PEG1-CH_2CO_2-*t*-Bu, Purity 98%

Cat. No.: X24-03-YW0220

Size: 500 mg; 1 g; 5 g

MDL: MFCD28122952

CAS Number: 157759-50-7

PubChem CID: 77078157

Synonym: 157759-50-7; Bromo-PEG1-CH_2CO_2tBu; Bromo-PEG1-CH_2-Boc; *Tert*-BUTYL 2-(2-BROMOETHOXY)ACETATE

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

Product Information

Description	Bromo-PEG1-CH_2CO_2tBu is a PEG linker with a bromide group and a t-butyl protected carboxyl group. Its hydrophilic PEG spacer enhances solubility in aqueous media. The bromide (Br) is highly effective as a leaving group in nucleophilic substitution reactions. The t-butyl protected carboxyl group can be selectively deprotected under acidic conditions.
Molecular Weight	239.1
Molecular Formula	$C_8H_{15}BrO_3$
Functional Group 1	Bromoacetamido
Functional Group 2	None
Functional Group 3	None
IUPAC Name	*Tert*-butyl 2-(2-bromoethoxy)acetate
InChI	InChI=1S/C8H15BrO3/c1-8(2,3)12-7(10)6-11-5-4-9/h4-6H2,1-3H3
InChI Key	MXCPNUHKYMLSRV-UHFFFAOYSA-N
Canonical SMILES	CC(C)(C)OC(=O)COCCBr
Form	Liquid
Purity	98%
Solubility	DCM
Identity	Confirmed by NMR.
Applications	Bromo-PEG1-CH_2CO_2tBu can be used in bioconjugation and chemical synthesis applications. Its compatibility with aqueous environments makes it suitable for various conjugation reactions in biological settings. This linker is commonly employed in the modification of biomolecules, surface

	functionalization, and the synthesis of bioactive compounds and materials.
Storage	Store at -20°C