

Product Information

Bromoacetamido PEG reagent, Bromo-PEG2-methyl ester, Purity 98%

Cat. No.: X24-03-YW0205

Size: 250 mg; 500 mg

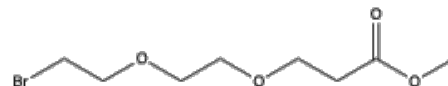
CAS Number: 2468714-95-4

PubChem CID: 154573031

Synonym: 2468714-95-4; Bromo-PEG2-methyl ester; SCHEMBL23042729;

BP-25108; Methyl 3-(2-(2-bromoethoxy)ethoxy)propanoate

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



Product Information

Description	Bromo-PEG2-methyl ester is a PEG linker featuring a bromide moiety and a methyl ester group. The bromide serves as an excellent leaving group for nucleophilic substitution reactions, while the hydrophilic PEG spacer enhances solubility in aqueous environments.
Molecular Weight	255.1
Molecular Formula	C ₈ H ₁₅ BrO ₄
Functional Group 1	Bromoacetamido
Functional Group 2	None
Functional Group 3	None
IUPAC Name	Methyl 3-[2-(2-bromoethoxy)ethoxy]propanoate
InChI	InChI=1S/C8H15BrO4/c1-11-8(10)2-4-12-6-7-13-5-3-9/h2-7H2,1H3
InChI Key	SWKXLOXDFAALFO-UHFFFAOYSA-N
Canonical SMILES	COC(=O)CCOCCOCCBr
Form	Reported
Purity	98%
Identity	Confirmed by NMR.
Applications	Bromo-PEG2-methyl ester is valuable for bioconjugation and chemical modification applications. Its bromide functionality enables facile attachment to various nucleophiles, facilitating the synthesis of diverse bioconjugates or functionalized molecules. Moreover, the methyl ester group offers the potential for controlled release or activation through hydrolysis under appropriate conditions, making it suitable for drug delivery or biomaterial applications.
Storage	Store at -20°C

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