

Product Information

Mesyl PEG reagent, PEG8-Ms, Purity 98%

Cat. No.: X24-10-WXX407

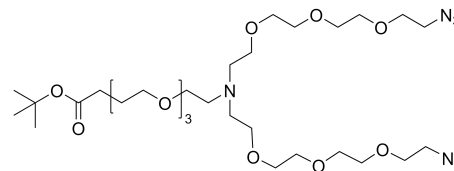
Size: 500 mg; 1 g; 5 g

CAS Number: 1217601-12-1

PubChem CID: 134827731

Synonym: PEG7-O-Ms; PEG8-Ms; 1217601-12-1; AKOS040743766

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



Product Information

Description	PEG8-Ms is a reagent grade PEG linker with a hydroxyl group and a mesyl group. The mesyl group is used for nucleophilic substitution reactions. The hydroxyl group enables further derivatization or replacement with other reactive functional groups. The PEG spacer increases water solubility.
Molecular Weight	404.5
Molecular Formula	C ₁₅ H ₃₂ O ₁₀ S
Functional Group 1	Mesyl
Functional Group 2	None
Functional Group 3	None
Reactive Group 1	Nucleophile
IUPAC Name	2-[2-[2-[2-[2-[2-(2-hydroxyethoxy)ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethyl methanesulfonate
InChI	InChI=1S/C15H32O10S/c1-26(17,18)25-15-14-24-13-12-23-11-10-22-9-8-21-7-6-20-5-4-19-3-2-16/h16H,2-15H2,1H3
InChI Key	URRHIBOPMGNEAN-UHFFFAOYSA-N
Canonical SMILES	CS(=O)(=O)OCCOCCOCCOCCOCCOCCOCCO
Form	Solid
Purity	98%
Solubility	Water, DMSO, DCM, DMF
Identity	Confirmed by NMR.
Applications	PEG8-Ms functions as a versatile linker in bioconjugation strategies due to its hydrophilic properties. Its design is ideal for studying biomolecular interactions and bioconjugation.
Storage	Store at -20°C.