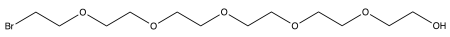
SUITE 201, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-637-6119 | Email: info@bioglyco.com

Product Information

Bromide/Hydroxyl PEG reagent, Bromo-PEG6-alcohol, Purity 98%



Cat. No.: X24-03-YW0711

Size: 250 mg; 500 mg; 1 g; 5 g

MDL: MFCD20926394

CAS Number: 136399-05-8

PubChem CID: 14786210

Synonym: 136399-05-8; Br-PEG6-OH;

17-BROMO-3,6,9,12,15-PENTAOXAHEPTADECAN-1-OL

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

Product Information

Description	Bromo-PEG6-alcohol is a functional PEG linker featuring a bromide group and a terminal hydroxyl group. The bromide serves as an excellent leaving group in nucleophilic substitution reactions, while the hydroxyl group provides flexibility for further chemical derivatization. The PEG6 spacer enhances solubility and stability in aqueous environments.
Molecular Weight	345.2
Molecular Formula	$C_{12}H_{25}BrO_6$
Functional Group 1	Bromide
Functional Group 2	Hydroxyl
Reactive Group 1	Nucleophile
IUPAC Name	2-[2-[2-[2-[2-(2-Bromoethoxy)ethoxy]ethoxy]ethoxy]ethoxy]ethanol
InChI	InChI=1S/C12H25BrO6/c13-1-3-15-5-7-17-9-11-19-12-10-18-8-6-16-4-2-14/h14H,1-12H2
InChI Key	RBUBPNRAVNYTDU-UHFFFAOYSA-N
Canonical SMILES	C(COCCOCCOCCOCCOCCBr)O
Form	Liquid
Purity	98%
Solubility	Water, DCM
Identity	Confirmed by NMR.
Applications	Bromo-PEG6-alcohol is ideal for designing advanced materials, including bioconjugates and hydrophilic linkers. Its bromide group supports efficient substitution reactions, while the hydroxyl group enables the incorporation of diverse functional groups, making it a key reagent in the

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	development of drug delivery systems and biocompatible materials.
Storage	Store at -20°C.