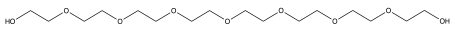
SUITE 201, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-637-6119 | Email: info@bioglyco.com

Product Information

Hydroxyl PEG reagent, Octanethyl glycol, Purity 98%



Cat. No.: X24-03-YW0706

Size: 1 g; 5 g

MDL: MFCD00698694

CAS Number: 5117-19-1

PubChem CID: 78798

Synonym: 5117-19-1; 3,6,9,12,15,18,21-Heptaoxatricosane-1,23-diol; Octanethyl glycol; HO-PEG8-OH

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

Product Information

Description	Octanethylene glycol is a polymer composed of eight ethylene glycol units with two terminal hydroxyl groups. Its PEG chain enhances hydrophilicity and water solubility, making it suitable for use in aqueous media. The hydroxyl groups provide reactive sites for further functionalization or derivatization.
Molecular Weight	370.4
Molecular Formula	$C_{16}H_{34}O_9$
Functional Group 1	Hydroxyl
Reactive Group 1	Nucleophile
IUPAC Name	2-[2-[2-[2-[2-[2-[2-(2-Hydroxyethoxy)ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethanol
InChI	InChI=1S/C16H34O9/c17-1-3-19-5-7-21-9-11-23-13-15-25-16-14-24-12-10-22-8-6-20-4-2-18/h17-18H,1-16H2
InChI Key	GLZWNFNQMJAZGY-UHFFFAOYSA-N
Canonical SMILES	C(COCCOCCOCCOCCOCCOCCO)O
Form	Liquid/Solid (low melting point)
Purity	98%
Identity	Confirmed by NMR.
Applications	Octanethylene glycol is widely used in bioconjugation, drug delivery, and polymer synthesis. Its hydrophilic nature supports the solubilization of hydrophobic compounds, while its terminal hydroxyl groups enable versatile chemical modifications, making it ideal for developing hydrophilic linkers and functionalized biomaterials in pharmaceutical and biomedical research.

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Storage	Store at -20°C.