## **Product Information**

## Hydroxyl PEG reagent, PEG-14, Purity 98%

Cat. No.: X24-03-YW0661

Size: 250 mg

MDL: MFCD20926392

CAS Number: 17598-96-8

PubChem CID: 87168

Synonym: 17598-96-8; HO-PEG13-OH;

3,6,9,12,15,18,21,24,27,30,33,36-Dodecaoxaoctatriacontane-1,38-diol; PEG-14;

EINECS 241-569-7

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

## **Product Information** Description PEG-14 is a polyethylene glycol (PEG) linker composed of 13 ethylene glycol units with two terminal hydroxyl groups. The hydroxyl groups serve as reactive sites for chemical modifications, enabling versatile derivatization. Its hydrophilic structure significantly enhances solubility in aqueous environments, making it ideal for various applications. **Molecular Weight** 590.7 **Molecular Formula** $C_{26}H_{54}O_{14}$ **Functional Group 1** Hydroxyl **Reactive Group 1** Nucleophile **IUPAC Name** 2-[2-[2-[2-[2-[2-[2-[2-[2-[2-[2-(2-Hydroxyethoxy)ethoxy]ethoxy]ethoxy]ethoxy]ethoxy]ethoxy] ethoxy]ethoxy]ethoxy]ethanol InChl InChI=1S/C26H54O14/c27-1-3-29-5-7-31-9-11-33-13-15-35-17-19-37-21-23-39-25-26-40-24-22-38-20-18-36-16-14-34-12-10-32-8-6-30-4-2-28/h27-28H,1-26H2 InChl Key AKWFJQNBHYVIPY-UHFFFAOYSA-N **Canonical SMILES** C(COCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCO)O **Form** Liquid/Solid (low melting point) **Purity** 98% Identity Confirmed by NMR. **Applications** PEG-14 is widely used in bioconjugation, drug delivery, and polymer synthesis. Its terminal hydroxyl groups support functionalization, while the PEG chain improves solubility and biocompatibility, making it suitable for designing hydrophilic linkers, stabilizing biomolecules, and creating advanced

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	materials in biomedical and pharmaceutical research.
Storage	Store at -20°C.