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Product Information

Hydroxyl PEG reagent, PEG25, Purity 95%

Cat. No.: X24-03-YW0657

Size: 250 mg; 500 mg; 1 g

MDL: MFCD28976705

CAS Number: 2243942-52-9

PubChem CID: 14619695

Synonym: 2243942-52-9; HO-PEG24-OH; OH-PEG24-OH; MFCD28976705

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

Product Information

Description	PEG25 is a linear polyethylene glycol (PEG) polymer composed of 25 ethylene glycol units with terminal hydroxyl groups. The hydroxyl groups provide reactive sites for further chemical derivatization. The extended PEG25 chain enhances hydrophilicity and solubility in aqueous environments, making it suitable for diverse applications.
Molecular Weight	1,075.3
Molecular Formula	$C_{48}H_{98}O_{25}$
Functional Group 1	Hydroxyl
Reactive Group 1	Nucleophile
IUPAC Name	2-[2-[2-[2-[2-[2-[2-[2-[2-[2-[2-[2-[2-[2-[2-[2-[2-[2-[2-[2-[2-[2-[2-(2-Hydroxyethoxy)ethoxy]ethanol
InChI	InChI=1S/C48H98O25/c49-1-3-51-5-7-53-9-11-55-13-15-57-17-19-59-21-23-61-25-27-63-29-31-65-33-35-67-37-39-69-41-43-71-45-47-73-48-46-72-44-42-70-40-38-68-36-34-66-32-30-64-28-26-62-24-22-60-20-18-58-16-14-56-12-10-54-8-6-52-4-2-50/h49-50H,1-48H2
InChI Key	IEXKUCOGQITOPO-UHFFFAOYSA-N
Canonical SMILES	C(COCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCO)O
Form	Solid
Purity	95%
Identity	Confirmed by NMR.
Applications	PEG25 is widely used in drug delivery, surface modification, and bioconjugation. Its terminal hydroxyl groups enable versatile functionalization, while the long PEG chain improves solubility and

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	stability, making it ideal for creating hydrophilic linkers and stabilizing biomolecules in pharmaceutical and biomedical research.
Storage	Store at -20°C.

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