

Product Information

Bromide/Hydroxyl PEG reagent, Bromo-PEG2-alcohol, Purity 98%

Cat. No.: X24-03-YW0683

Size: 1 g; 5 g; 10 g

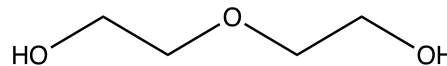
MDL: MFCD20621572

CAS Number: 57641-66-4

PubChem CID: 11819432

Synonym: 57641-66-4; Bromo-PEG2-alcohol; Ethanol, 2-(2-bromoethoxy)-; Br-PEG2-OH

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



Product Information

Description	Bromo-PEG2-alcohol is a PEG linker with a bromide group and a terminal hydroxyl group. The bromide serves as an excellent leaving group for nucleophilic substitution reactions, while the hydroxyl group provides versatility for further derivatization. The PEG2 spacer enhances hydrophilicity and solubility in aqueous environments.
Molecular Weight	169.0
Molecular Formula	C ₄ H ₉ BrO ₂
Functional Group 1	Bromide
Functional Group 2	Hydroxyl
Reactive Group 1	Nucleophile
IUPAC Name	2-(2-Bromoethoxy)ethanol
InChI	InChI=1S/C4H9BrO2/c5-1-3-7-4-2-6/h6H,1-4H2
InChI Key	JTOJLOUPDKBCCH-UHFFFAOYSA-N
Canonical SMILES	C(COCCBr)O
Form	Liquid
Purity	98%
Identity	Confirmed by NMR.
Applications	Bromo-PEG2-alcohol is widely used in organic synthesis, drug delivery, and bioconjugation. Its bromide group facilitates nucleophilic substitutions, and the hydroxyl group allows for functional modifications, making it ideal for creating hydrophilic linkers and advanced functional materials in biomedical and pharmaceutical research.

Storage

Store at -20°C.
