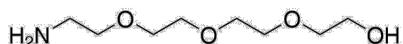

Amine-PEG4-OH

<http://www.lumiprobe.com/p/amine-peg4-alcohol>

This compound is a PEG-linker with four monomer units (PEG4) with terminal hydroxy and amino groups for biomolecule conjugation.

Primary amines readily react with activated carboxyl groups, and the terminal hydroxyl group in the crosslinker can react with esters, azides, amines, and halogen derivatives in various conditions.

Polyethylene glycol linkers have low molecular weight, are non-toxic, and form conjugates with increased solubility. The field of use of these molecules is rather wide, varying from synthesis of new polymers to biomedicine.



Structure of Amine-PEG4-OH

General properties

Appearance: colorless to yellowish oil

Molecular weight: 193.24

CAS number: 86770-74-3

Molecular formula: C₈H₁₉NO₄

IUPAC name: 2-[2-[2-(2-aminoethoxy)ethoxy]ethoxy]ethanol

Solubility: miscible with water, polar organic solvents

Quality control: NMR ¹H, GC-MS (95%)

Storage conditions: Storage: 24 months after receipt at -20°C in the dark. Transportation: at room temperature for up to 3 weeks.