

Hydroxy-PEG3-thiol

http://www.lumiprobe.com/p/hydroxy-peg3-thiol-56282-36-1

A bifunctional PEG3-based linker with thiol (SH-) and hydroxyl (OH-) functional groups. Thiols are nucleophilic and participate in many reactions with electrophiles.

Thiols rapidly react with gold surfaces and nanoparticles, forming self-assembled monolayers (SAMs). Thiol reagent can be used to cover gold with a hydrophilic monolayer.

0. SH HO² ۰O´

Structure of Hydroxy-PEG3-thiol

General properties

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Appearance:	colorless liquid
Molecular weight:	166.24
CAS number:	56282-36-1
Molecular formula:	$C_{6}H_{14}O_{3}S$
IUPAC name:	2-[2-(2-mercaptoethoxy)ethoxy]ethanol
Solubility:	miscible with water and many organic solvents
Quality control:	NMR ¹ H and HPLC-MS (95+%)
Storage conditions:	24 months after receival at -20°C in the dark. Transportation: at room temperature for up to 3 weeks. Desiccate.
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