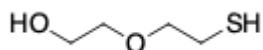

Hydroxy-PEG2-thiol

<http://www.lumiprobe.com/p/hydroxy-peg2-thiol-17643-17-3>

A short bifunctional PEG2-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.



Structure of HO-PEG2-thiol 17643-17-3

General properties

Appearance:	colorless liquid
Molecular weight:	122.19
CAS number:	17643-17-3
Molecular formula:	C ₄ H ₁₀ O ₂ S
IUPAC name:	2-(2-sulfanylethoxy)ethanol
Solubility:	miscible with water and many organic solvents
Quality control:	NMR ¹ H, GC-MS (95%)