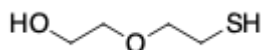


Hydroxy-PEG2-Thiol

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

A short bifunctional PEG2 based linker with a thiol (SH) functional group and OH group. 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 hydrophilic layer.



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, many organic solvents
Quality control:	NMR ¹ H, GC-MS (95%)