

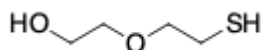
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## Hydroxy-PEG2-thiol

<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**

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### General properties

Appearance: colorless liquid

Molecular weight: 122.19

CAS number: 17643-17-3

Molecular formula: C<sub>4</sub>H<sub>10</sub>O<sub>2</sub>S

IUPAC name: 2-(2-sulfanylethoxy)ethanol

Solubility: miscible with water and many organic solvents

Quality control: NMR <sup>1</sup>H, GC-MS (95%)

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