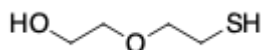


Hydroxy-PEG2-thiol

<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: C₄H₁₀O₂S

IUPAC name: 2-(2-sulfanylethoxy)ethanol

Solubility: miscible with water and many organic solvents

Quality control: NMR ¹H, GC-MS (95%)

Legal statement: This Product is offered and sold for research purposes only. It has not been tested for safety and efficacy in food, drug, medical device, cosmetic, commercial or any other use. Supply does not express or imply authorization to use for any other purpose, including, without limitation, in vitro diagnostic purposes, in the manufacture of food or pharmaceutical products, in medical devices or in cosmetic products.