

## 1,6-Hexanedithiol

## Chemical Properties

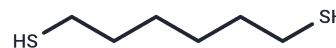
CAS No. : 1191-43-1

Formula: C<sub>6</sub>H<sub>14</sub>S<sub>2</sub>

Molecular Weight: 150.31

Storage: Pure form: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	1,6-Hexanedithiol (1,6-Dimercaptohexan) is a long-chain, bifunctional alkanethiol with a serrated structure of six carbon atoms that is primarily used to form self-assembled monolayers (SAMs) to anchor surface atoms on a variety of substrates, and is also used in the synthesis of rubbers, food flavors, and reagents for organic synthesis.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.6529 mL	33.2646 mL	66.5292 mL
5 mM	1.3306 mL	6.6529 mL	13.3058 mL
10 mM	0.6653 mL	3.3265 mL	6.6529 mL
50 mM	0.1331 mL	0.6653 mL	1.3306 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

Stetsenko M, et al. Gold Nanoparticle Self-Aggregation on Surface with 1,6-Hexanedithiol Functionalization. *Nanomaterials* (Basel). 2020 Mar 11;10(3):512.

Niu X, et al. Cross-Linked Networks of 1,6-Hexanedithiol with Gold Nanoparticles to Improve Permeation Flux of Polyethersulfone Membrane. *Membranes* (Basel). 2022 Nov 29;12(12):1207.

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