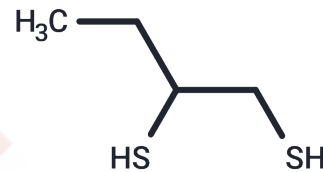


## 1,2-Butanedithiol

## Chemical Properties

CAS No. :	16128-68-0
Formula:	C <sub>4</sub> H <sub>10</sub> S <sub>2</sub>
Molecular Weight:	122.25
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	1,2-Butanedithiol (1,2-Dimercaptobutane) is an organosulfur compound used in organic synthesis and biochemical experiments.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	8.180 mL	40.8998 mL	81.7996 mL
5 mM	1.636 mL	8.180 mL	16.3599 mL
10 mM	0.818 mL	4.090 mL	8.180 mL
50 mM	0.1636 mL	0.818 mL	1.636 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

Tang X, et al. Molecular Design and Mechanism Study of Non-Activated Collectors for Sphalerite (ZnS) Based on Coordination Chemistry Theory and Quantum Chemical Simulation. *Molecules*. 2024 Dec 13;29(24):5882.

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