

## 1,4-Dithio-DL-threitol; Threo-1,4-dimercapto-2,3-butandiol

**Cat:** D1070

**Specification:** 1m /5mL

**Storage:** Store at -20°C, and it is valid for 1 year.

### Product Information

**English name:** 1,4-Dithio-DL-threitol;Threo-1,4-dimercapto-2,3-butandiol

**Appearance (character):** Colorless clear solution

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

**Molecular Weight:** 154.25

**pH value:** 3-5, at 25°C.

### Introduction

DTT is DL-Dithiothreitol, also known as dithiothreitol in Chinese. It is a common reducing agent and has antioxidant effects. Compared with mercaptoethanol, DTT has similar effects, but its irritating odor is much smaller and its toxicity is much lower than that of mercaptoethanol. Moreover, when the concentration of DTT is 7 times lower than that of mercaptoethanol, the effects of the two are similar, but the price of DTT is slightly higher. It is a reagent that can restore the S-S bond of proteins; Used as a thiol-protecting agent in biochemical research; specific inhibitor of enzyme; and the enzyme activity was determined.

### Note

1. Unless otherwise specified, the biochemical reagents produced by our company are generally non-sterile packaged. If they are to be used for cell experiments, please conduct pretreatment in advance.
2. Once dissolved, please store the solution in separate containers to avoid product degradation caused by repeated freezing and thawing.
3. The product information is for reference only. If you have any questions, please call 400-968-6088 for consultation.
4. The products are all for scientific research use only. Do not use it for medical, clinical diagnosis or treatment, food and cosmetics, etc. Do not store them in ordinary residential areas.
5. For your safety and health, please wear laboratory clothes, disposable gloves and masks to operate.