

AEDP

22101

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Number**Description**

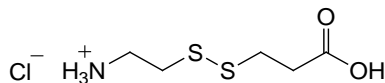
22101

AEDP (3-[(2-aminoethyl)dithio]propionic acid•HCl), 50mg

Formula: C₅H₁₂ClNO₂S₂

Spacer arm: 9.5Å

Molecular weight: 217.74



Storage: Upon receipt store at 4°C protected from moisture. Product is shipped at ambient temperature.

Introduction

Thermo Scientific AEDP is a cleavable amino acid that can be reacted with amine-reactive acylation agents to create amide bonds. Alternatively, the carbodiimide EDC can be used to conjugate AEDP to molecules containing amines or carboxylates, which results in some degree of polymerization. Reducing agents, such as DTT, 2-mercaptoethylamine or TCEP, are used to cleave the disulfide bond.

Related Thermo Scientific Products

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|--------------|---|
| 20036 | Bioconjugate Techniques, 2nd Edition , softcover |
| 28372 | BupHTM Phosphate Buffered Saline Packs , 40 packs |
| 20290 | DTT (dithiothreitol) , 5g |
| 20291 | DTT (dithiothreitol), No-WeighTM Format , 48 × 7.7mg microtubes |
| 35602 | 2-Mercaptoethanol , 10 × 1mL ampules |

General References

- Eager, J.E., and Savige, W.E. (1963). *Photochem Photobiol* **2**:25-37.
 Schnaar, R.L., *et al.* (1985). *Anal Biochem* **151**:268-81.

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