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Product Information

Dimethyl pimelimidate dihydrochloride

Product Number **D 8388**

Storage Temperature -0 °C

Product Description

Molecular Formula: $C_9H_{18}N_2O_2 \cdot 2HCl$

Molecular Weight: 259.2

CAS Number: 58537-94-3

Melting point: approximately 115 °C

This product is a bifunctional coupling reagent used to link proteins. DMP has two binding groups, which both bind to free amino groups at a pH of greater than 8.3. This product is often used to prepare antibody affinity columns.¹ The appropriate antibody is first incubated with Protein A or Protein G-agarose and allowed to bind. DMP is then added to couple the molecules together.

Precautions and Disclaimer

For Laboratory Use Only. Not for drug, household or other uses.

Preparation Instructions

This product is soluble in methanol (100 mg/ml). It is also water soluble.

References

1. Antibodies: A Laboratory Manual, Harlow, E., and Lane, D., Eds., Cold Spring Harbor Laboratory (Cold Spring Harbor, NY: 1988), pp. 521-526.

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