

3050 Spruce Street
Saint Louis, Missouri 63103 USA
Telephone 800-325-5832 • (314) 771-5765
Fax (314) 286-7828
email: techserv@sial.com
sigma-aldrich.com

# **ProductInformation**

## Dimethyl pimelimidate dihydrochloride

Product Number **D 8388** Storage Temperature -0 °C

### **Product Description**

Molecular Formula: C<sub>9</sub>H<sub>18</sub>N<sub>2</sub>O<sub>2</sub> •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. 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.

CMH/JRC 11/02