

Protamine sulfate salt from salmon

CAS Number: 53597-25-4

Storage Temperature: Room Temperature

Product Description :

Appearance: White to Off-White Powder

Molecular Weight: approximately 5.1 kDa (major component)

Synonym: Salmine

Protamine sulfate is a small cationic protein that binds and precipitates DNA. It may be used for the removal of DNA from protein samples or the purification of DNA binding proteins. Protamine sulfate may also be used as an alternative to polybrene in retroviral-mediated gene transfer.

Protamine sulfate has antibacterial properties and inhibits pepsin activity. Protamine sulfate and other polycations have been shown to inhibit the classical pathway of complement. It neutralizes the anticoagulant activity of heparin and inhibits turnover of lipoproteins by lipoprotein lipase. The aggregation of erythrocytes in the presence of protamine sulfate, for application to the prediction of MN phenotypes, has been investigated.

Preparation Instructions:

Protamine sulfate is soluble in 6 M HCl (25 mg/ml, may contain insolubles).

Precautions and Disclaimer :

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