

Product Name: Ristocetin A sulfate

Product Number: R019

CAS Number: 11140-99-1

Molecular Formula: $C_{95}H_{112}N_8O_{48}S$

Molecular Weight: 2166.0

Appearance: Light tan powder

Storage Conditions: -20°C

Description: Ristocetin A sulfate is a potent antibacterial glycopeptide antibiotic that was withdrawn from clinical use following a high incidence of thrombocytopenia. Further investigation found that ristocetin A induced platelet aggregation by binding to a factor absent in people suffering from von Willebrand's disease, leading to the use of ristocetin A as an important diagnostic aid.

Ristocetin A sulfate is soluble in ethanol, methanol, DMF and DMSO.

References: Ristocetin A and B, two new antibiotics. Isolation and properties. Philip J.E. et al. Antibiot. Annu. 1955, 699.

Ristocetin - a new tool in the investigation of platelet aggregation. Howard M.A. et al. Throm. Diath. Haemorrh. 1971, 26, 362.