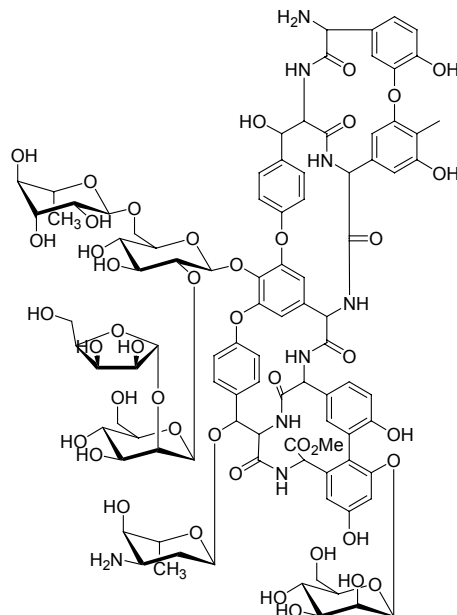


Ristocetin A sulphate

Code: **BIA-R1113**

Pack sizes: **10 mg, 100 mg**



Synonyms : **Ristocetin, Ristomycin III, Spontin, Riston**

Specifications

CAS # : **11140-99-1**
Molecular Formula : **C₉₅H₁₁₀N₈O₄₄ .H₂SO₄**
Molecular Weight : **2166.0**
Source : ***Amycolatopsis* sp. MST-AS5924**
Appearance : **White solid**
Purity : **> 95% by HPLC**
Long Term Storage : **4°C**
Solubility : **Soluble in water, methanol and DMSO.**

Application Notes

Ristocetin A is a potent antibacterial glycopeptide antibiotic but was withdrawn from clinical use following a high incidence of thrombocytopenia.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 and led to the use of ristocetin A as an important diagnostic aid.

References

1. Ristocetin A and B, two new antibiotics. Isolation and properties. Philip J.E. et al. *Antibiot. Annu.* **1955**, 699.
2. Ristocetin - a new tool in the investigation of platelet aggregation. Howard M.A. et al. *Throm. Diath. Haemorrh.* **1971**, 26, 362.