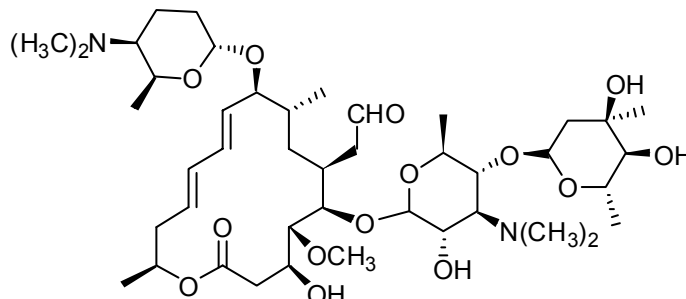


Spiramycin I

Code: **BIA-S1317**

Pack sizes: **5 mg, 25 mg**



Synonyms : **Foramacidin A**

Specifications

CAS # : **8025-81-8**
Molecular Formula : **C₄₃H₇₄N₂O₁₄**
Molecular Weight : **843.1**
Source : ***Streptomyces ambofaciens***
Appearance : **White solid**
Purity : **>99%**
Storage : **-20°C**
Solubility : **Soluble in ethanol, methanol, DMF or DMSO. Good water solubility.**

Application Notes

Spiramycin I (formacidin A) is the major analogue of a complex of 16-membered macrocyclic lactones produced by *S. ambofaciens* and *S. spiramyceticus* with broad spectrum antibiotic activity. Spiramycins are unusual among the macrocyclic lactones in that they contain two basic sugars. Spiramycin complex has been used in both human and animal health but its use has not been widespread.

References

1. Stoffwechselprodukte von actinomyceten. Die foromacidine A, B, C und D. Corbaz R. *et al.* *Helv. Chim. Acta.* **1956**, 39, 304.
2. A new antibiotic – spiramycin. Pinnert-Sindinco S. *et al.* *Antibiot. Annu.* **1954**, 724.