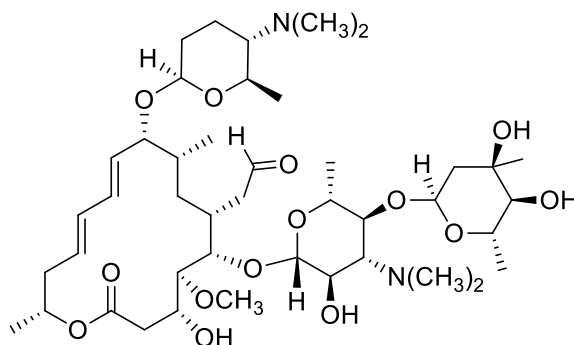


Spiramycin I

Code No.: **BIA-S1317**

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



Synonyms : Foromacidin A

Specifications

CAS #	: 8025-81-8
Molecular Formula	: $C_{43}H_{74}N_2O_{14}$
Molecular Weight	: 843.1
Source	: <i>Streptomyces ambofaciens</i>
Appearance	: White solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO. Good water solubility.

Application Notes

Spiramycin I (foromacidin A) is the major analogue of a complex of 16-membered macrocyclic lactones produced by *S. ambofaciens* and *S. spiramyceticus* that have 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.