Lasalocid sodium

**Code:** BIA-L1302

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

**Synonyms:** Avatec, Bovatec, Antibiotic Ro 2-2985. Antibiotic X 537A

**Specifications**

- **CAS #:** 25999-31-9
- **Molecular Formula:** C₃₄H₅₄O₈
- **Molecular Weight:** 590.8
- **Source:** Streptomyces sp.
- **Appearance:** White solid
- **Purity:** >95%
- **Storage:** -20°C
- **Solubility:** Soluble in ethanol, methanol, DMF or DMSO. Limited water solubility.

**Application Notes**

Lasalocid is a polyether ionophore with potent antibacterial activity. Lasalocid was developed as an animal health product for treatment of coccidia. Lasalocid is able to form neutral complexes with monovalent and divalent cations and transport the ions through apolar phase (including lipid bilayer membranes). Interestingly, lasalocid can also transport larger organic cations, e.g. protonated dopamine.

**References**