Reveromycin A

**Specifications**

- **CAS #**: 134615-37-5
- **Molecular Formula**: C_{36}H_{52}O_{11}
- **Molecular Weight**: 660.8
- **Source**: Streptomyces sp.
- **Appearance**: Tan Lyophilisate
- **Purity**: >99% by HPLC
- **Long Term Storage**: -20°C
- **Solubility**: Soluble in ethanol, methanol, DMF or DMSO. Poor water solubility.

**Application Notes**

Reveromycin A, the dominant analogue of a complex of spiroketalts isolated from a Streptomyces sp., is an inhibitor of the mitogenic activity of EGF. Reveromycin A is a G1 phase cell cycle inhibitor, selectively inhibiting isoleucyl-tRNA synthetase. Reveromycin A displays antiproliferative behaviour against human cell lines KB and K562, as well as potent antifungal activity. More recently it has been shown to induce apoptosis in osteoclasts thus inhibiting bone resorption.

**References**