Leucomycin A5

Synonyms: Kitasamycin A5, Turimycin H4

Specifications

- **CAS #**: 18361-45-0
- **Molecular Formula**: C_{39}H_{65}NO_{14}
- **Molecular Weight**: 771.9
- **Source**: *Streptomyces kisatoensis*
- **Appearance**: White solid
- **Purity**: >98% by HPLC
- **Long Term Storage**: -20°C
- **Solubility**: Soluble in ethanol, methanol, DMF or DMSO. Limited water solubility.

Application Notes

Leucomycin A5 is a major metabolite of the leucomycin complex, a family of closely related macrocyclic lactone antibiotics produced by *Streptomyces kisatoensis*, and discovered in 1953. Leucomycin A5 is one of the more potent antibiotics of the complex. Leucomycin complex (kitasamycin) is used as an animal health product for control of Gram positive bacteria, Gram negative cocci, leptospira and mycoplasma. Little is known about the activity of individual analogues within the complex as their limited availability has restricted investigation.

References