Leucomycin A1

Specifications

- **Code No.**: BIA-L1538
- **Pack sizes**: 1 mg, 5 mg

**Synonyms**: Kitasamycin A1, Turimycin H5, Leucomycin V 4-isovalerate

- **CAS #**: 16846-34-7
- **Molecular Formula**: C\textsubscript{40}H\textsubscript{67}NO\textsubscript{14}
- **Molecular Weight**: 786.0
- **Source**: *Streptomyces kisatoensis*
- **Appearance**: White solid
- **Purity**: >99% by HPLC
- **Long Term Storage**: -20°C
- **Solubility**: Soluble in ethanol, methanol, DMF or DMSO. Good water solubility.

**Application Notes**

Leucomycin A1 is a major metabolite from the leucomycin complex, a family of closely related macrocyclic lactone antibiotics produced by *Streptomyces kisatoensis*, discovered in 1953. Leucomycin A1 is one of the more potent members 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**