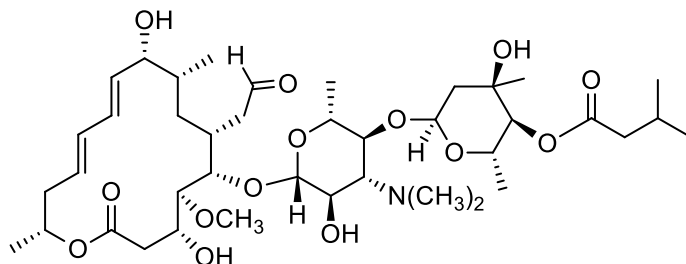


## Leucomycin A1

Code No.: **BIA-L1538**

Pack sizes: **1 mg, 5 mg**



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

### Specifications

CAS #	: 16846-34-7
Molecular Formula	: C <sub>40</sub> H <sub>67</sub> NO <sub>14</sub>
Molecular Weight	: 786
Source	: <i>Streptomyces kitatoensis</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

Leucomycin A1 is a major metabolite from the leucomycin complex, a family of closely related macrocyclic lactone antibiotics produced by *Streptomyces kitatoensis*, 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

1. Leucomycin, a new antibiotic. Hata T. et al., J. Antibiotics Ser. A 1953, 6, 87.
2. The chemistry of leucomycins. VI. Structures of leucomycin A4, A5, A6, A7, A8 and A9. Omura S. et al., J. Antibiot. 1968, 21, 272.
3. Structure-biological activities relationships among leucomycins and their derivatives. Mura S. et al., J. Antibiot. 1968, 21, 532.