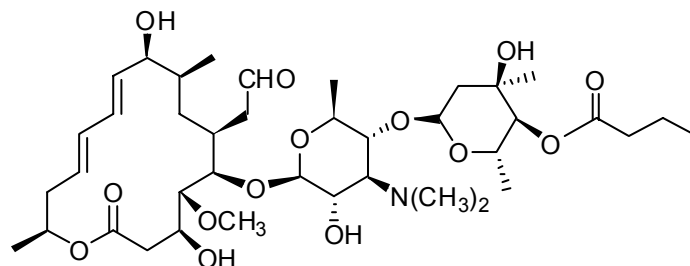


Leucomycin A5

Code: **BIA-L1357**

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



Synonyms : **Kitasamycin A5, Turimycin H4**

Specifications

CAS # : **18361-45-0**
Molecular Formula : **C₃₉H₆₅NO₁₄**
Molecular Weight : **771.9**
Source : ***Streptomyces kitatoensis***
Appearance : **White solid**
Purity : **>98%**
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 kitatoensis* 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

1. Leucomycin, a new antibiotic. Hata. T. *et al.* J. Antibiotics Ser. A **1953**, 6, 87.
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3. Structure-biological activities relationships among leucomycins and their derivatives. Mura S. *et al.* J. Antibiot. **1968**, 21, 532.