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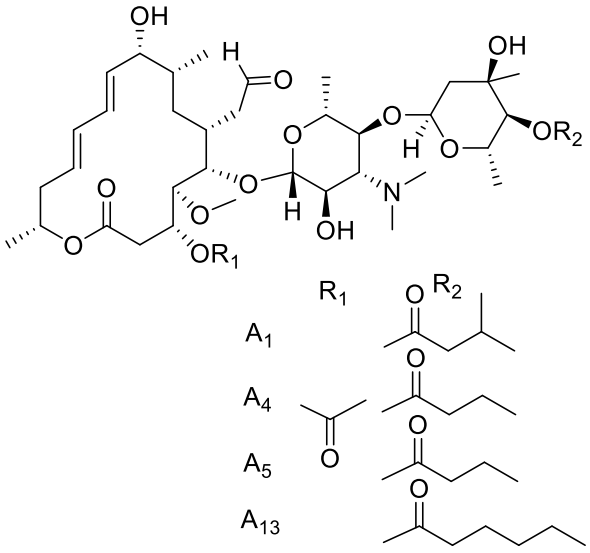
PRODUCT DATA SHEET

Leucomycin complex

Code No.: **BIA-L1551**

Pack sizes: **5 mg, 25 mg**



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

Specifications

CAS #	:	**1392-21-8**
Molecular Formula	:	**-**
Molecular Weight	:	**-**
Source	:	***Streptomyces kisatoensis***
Appearance	:	**White to off-white solid**
Purity	:	**>95% by HPLC**
Long Term Storage	:	**-20°C**
Solubility	:	**Soluble in methanol, DMSO. Limited water solubility.**

Application Notes

Leucomycin complex (kitasamycin) is a family of closely related macrocyclic lactone antibiotics produced by Streptomyces kitasatoensis, discovered in 1953. The complex contained over 14 components with analogues A1, A4, A5, and A13 being the most abundant analogues. Leucomycin complex is used as an animal health product for control of Gram positive bacteria, Gram negative cocci, leptospira and mycoplasma.

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.

For in vitro laboratory use only. Not for human or animal use.

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