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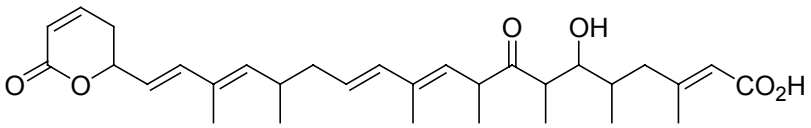
PRODUCT DATA SHEET

Anguinomycin A

Code: **BIA-A1003**

Pack sizes: **0.1 mg, 0.5 mg**



Synonyms : **5-Demethylleptomycin A, KR 2827A, Antibiotic KR 2827A**

Specifications

CAS #	:	**111278-01-4**
Molecular Formula	:	**$C_{31}H_{44}O_6$**
Molecular Weight	:	**512.7**
Source	:	***Streptomyces* sp. MST-AS5546**
Appearance	:	**Clear film**
Purity	:	**> 95% by HPLC**
Long Term Storage	:	**–20°C**
Solubility	:	**Soluble in ethanol or methanol. Ethanol recommended. Unstable in DMSO.**

Application Notes

Anguinomycin A, isolated from a *Streptomyces* sp., displays nanomolar cytotoxicity to murine P388 leukemia cells. In addition, it shows antitumor activity in mice against murine Lewis lung carcinoma and P388 leukemia. Anguinomycin A is an analogue of Leptomycin B, an inhibitor of nuclear export of proteins.

References

1. Anguinomycins C and D, new antitumor antibiotics with selective cytotoxicity against transformed cells. Hayakawa Y. et al. *J. Antibiot.* **1995**, 48, 954.
2. New antitumor antibiotics, anguinomycins A and B. Hayakawa Y. et al. *J. Antibiot.* **1987**, 40, 1349.

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