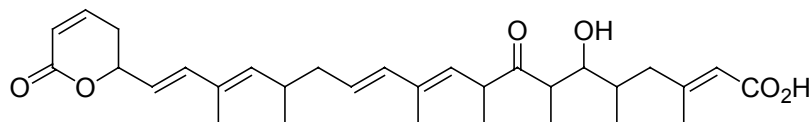


## Anguinomycin A

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<sub>31</sub>H<sub>44</sub>O<sub>6</sub>**  
Molecular Weight : **512.7**  
Source : ***Streptomyces* sp. MST-AS5546**  
Appearance : **Pale yellow 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 antitumour 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.