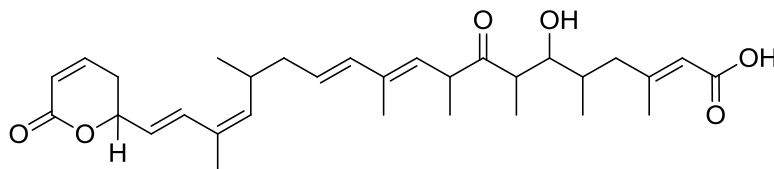


## Anguinomycin A

Code No.: **BIA-A1003**

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



Synonyms : 5-Demethylleptomycin A, 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	: <i>Streptomyces</i> sp.
Appearance	: Pale yellow film
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol or methanol. Poor water solubility. 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 vivo 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.