Anguinomycin A
Item No. 20598

CAS Registry No.: 111278-01-4
Formal Name: 19-(3,6-dihydro-6-oxo-2H-pyran-2-yl)-6-hydroxy-3,5,7,9,11,15,17-heptamethyl-8-oxo-2,10,12,16,18-nonadecapentaenoic acid
Synonym: 5-Demethylleptomycin A
MF: C_{31}H_{44}O_{6}
FW: 512.7
Purity: ≥95%
Supplied as: A film
Storage: -20°C
Stability: ≥4 years

Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

Anguinomycin A is supplied as a film. A stock solution may be made by dissolving the anguinomycin A in the solvent of choice, which should be purged with an inert gas. Anguinomycin A is soluble in organic solvents such as ethanol and methanol.

Description

Anguinomycin A is an antibiotic first isolated from a *Streptomyces* sp. and analog of leptomycin B (Item No. 10004976) that is highly cytotoxic to mouse P388 leukemia cells *in vitro* (IC_{50} = 0.1-0.2 ng/ml). It also demonstrates antitumor activity at 62.5 µg/kg/day against Lewis lung carcinoma in mice.

References