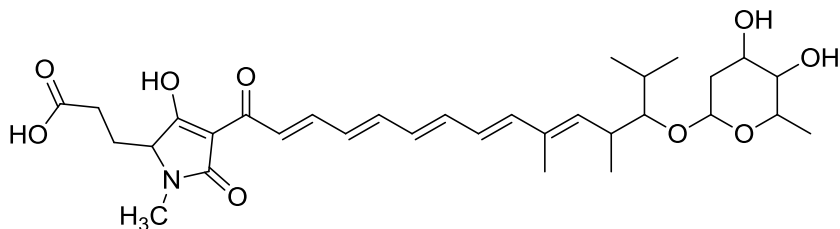


## $\alpha$ -Lipomycin

Code No.: **BIA-L1418**

Pack sizes: **1 mg, 5 mg**



Synonyms :

### Specifications

CAS #	: 51053-40-8
Molecular Formula	: C <sub>32</sub> H <sub>45</sub> NO <sub>9</sub>
Molecular Weight	: 587.7
Source	: <i>Streptomyces</i> sp.
Appearance	: Dark red solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO. Poor water solubility.

### Application Notes

$\alpha$ -Lipomycin is an unusual pentaenone tetramic acid first isolated from *Streptomyces aureofaciens* in 1972. Lipomycin has potent Gram positive antibacterial activity with no activity against fungi, including yeasts. The antibiotic activity is antagonized by lecithin and some sterols, implying alterations of the cell membrane.

### References

1. Stoffwechselprodukte von Mikroorganismen. Kunze B. Arch. Microbiol. 1972, 86, 147.

Updated: 2 December 2014