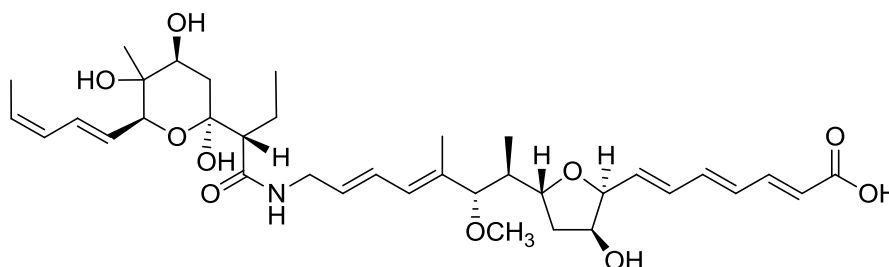


L-681217

Code No.: **BIA-L1044**

Pack sizes: **0.5 mg, 2.5 mg**



Synonyms : L 681217

Specifications

CAS #	: 93522-10-2
Molecular Formula	: C ₃₆ H ₅₃ NO ₁₀
Molecular Weight	: 659.8
Source	: <i>Streptomyces</i> sp.
Appearance	: Light Yellow Powder
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO. Limited water solubility.

Application Notes

L-681,217 is a glycolipid-type antibiotic related to the efrotomycin class, isolated from a *Streptomyces* sp. L 681,217 shows broad spectrum antibiotic activity against Gram positive and Gram negative bacteria. L-681,217 inhibits bacterial protein synthesis at the elongation stage, its target being elongation factor Tu (EF-Tu).

References

1. Effects of elfamycins on elongation factor Tu from *Escherichia coli* and *Staphylococcus aureus*. Hall C.C. et al., *Antimicrob. Agents Chemother.* 1989, 33, 322.
2. L-681,217, a new and novel member of the efrotomycin family of antibiotics. Kempf A.J. et al., *J. Antibiot.* 1986, 39, 1361.