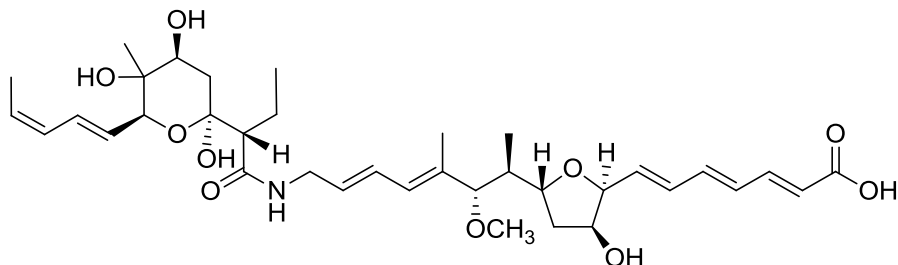


L-681217

Code No.: **BIA-L1044**

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



Synonyms : L 681217

## Specifications

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

## 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.

Updated: 2 December 2014