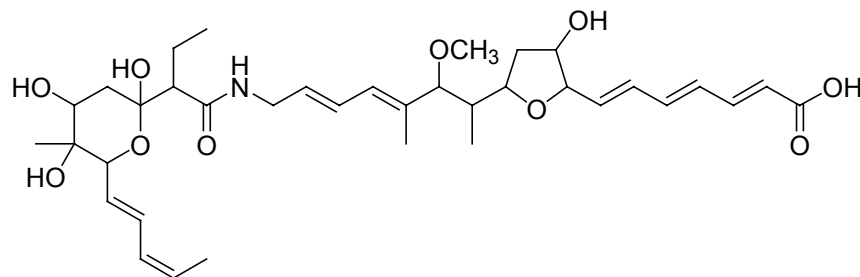


## Antibiotic L-681,217

Code: **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 : ***Streptomyces* sp. MST-AS5568**  
Appearance : **Light Yellow Powder**  
Purity : **> 95% by HPLC**  
Long Term Storage : **-20°C**  
Solubility : **Soluble in methanol, DMF or DMSO.**

### Application Notes

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

### 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.