

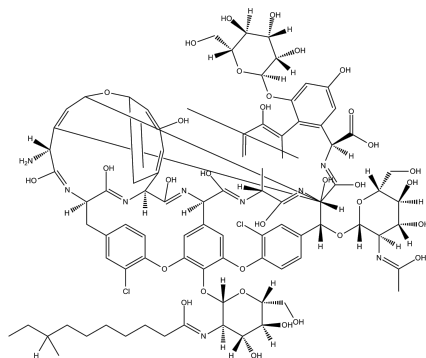
## Certificate of Analysis

Product Name: Teicoplanin A2-4  
Cat. No.: GC14637  
Batch No.: 1  
Chemical Name: 34-O-[2-(acetylamino)-2-deoxy-β-D-glucopyranosyl]-22,31-dichloro-7-demethyl-64-O-demethyl-19-deoxy-56-O-[2-deoxy-2-[(8-methyl-1-oxodecyl)amino]-β-D-glucopyranosyl]-42-O-α-D-mannopyranosyl-ristomycin A aglycone

### PHYSICAL AND CHEMICAL PROPERTIES

Cas. No.: 91032-37-0  
Molecular Formula:  $C_{89}H_{99}Cl_2N_9O_{33}$   
Molecular Weight: 1893.7  
Storage: Store at -20°C

Chemical Structure:



### ANALYTICAL DATA

Appearance: solid  
HNMR: Consistent with structure  
HPLC: Consistent with structure  
Purity: >98%  
Conclusion: The product has been tested and complies with the given specifications.

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA