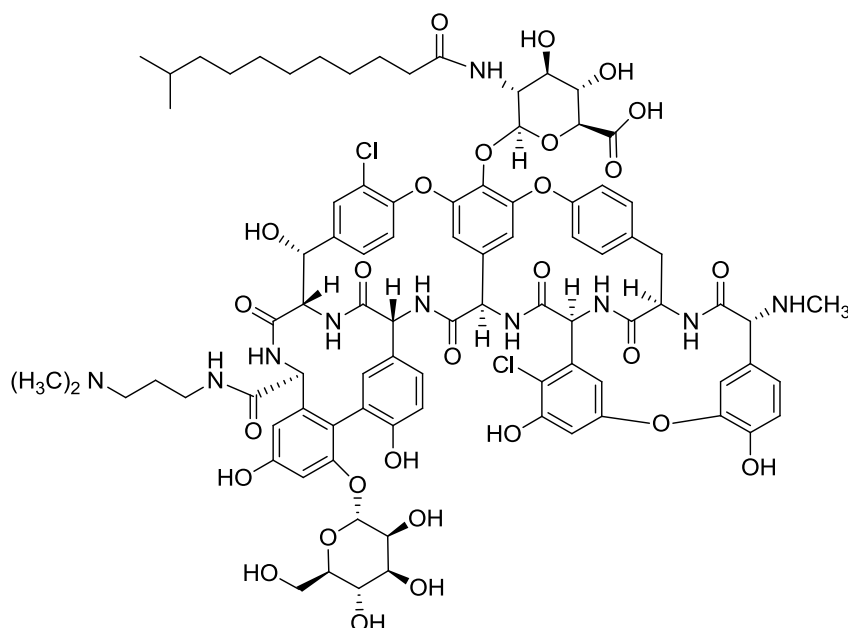


**Dalbavancin**

Code No.: **BIA-D1382**

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



Synonyms : A-A-1, Dalbavancin Ao, BI 397, MDL 63397

**Specifications**

CAS # : **171500-79-1**  
Molecular Formula : **C<sub>88</sub>H<sub>100</sub>Cl<sub>2</sub>N<sub>10</sub>O<sub>28</sub>**  
Molecular Weight : **1816.7**  
Source : **Semi-synthetic**  
Appearance : **White solid**  
Purity : **>98% by HPLC**  
Long Term Storage : **-20°C**  
Solubility : **Soluble in ethanol, methanol, DMF or DMSO. Poor water solubility.**

**Application Notes**

Dalbavancin is a semi-synthetic glycopeptide prepared from A40926 by introducing a positively charged lipophilic moiety in a previously unexplored region of the natural glycopeptide. This modification provides a longer in vivo half life, and improved in vitro activity against a variety of Gram positive and multi-drug resistant isolates such as MRSA and MRSE.

**References**

1. New semisynthetic glycopeptides, MDL63,246 and MDL63,042, and other amide derivatives of Antibiotic A-40,926 active against highly glycopeptide-resistant VanA Enterococci. Malabarba A.J. *Antibiot.* 1995, 48, 869.
2. Dalbavancin: a novel antimicrobial. Chen A.Y. et al. *Int. J. Clin. Pract.* 2007, 61, 853.

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