



LKT Laboratories, Inc.

## Teicoplanin

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### Product Information

Product ID T1733

CAS No. 61036-62-2

**Chemical Name** Ristomycin A 34-O-[2-(acetylamino)-2-deoxy-.beta.-D-glucopyranosyl]-22,31-dichloro-7-demethyl-64-O-demethyl-19-deoxy-56-O-[2-deoxy-2-[(8-methyl-1-oxononyl)amino]-.beta.-D-glucopyranosyl]-42-O-.alpha.-

**Synonym**

**Formula** C<sub>88</sub>H<sub>95</sub>Cl<sub>2</sub>N<sub>9</sub>O<sub>33</sub>

**Formula Wt.** 1877.64

**Melting Point**

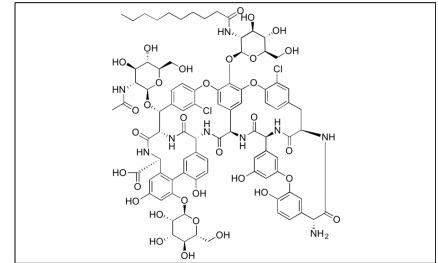
**Purity** ≥900 ug/mg, bio assay

**Solubility** Soluble in water (10 mg/mL), ethanol, methanol, DMSO, DMF.

**Store Temp** Ambient

**Ship Temp** Ambient

**Description** Teicoplanin is a glycopeptide antibiotic that displays antibacterial efficacy against gram positive bacteria. Teicoplanin is an analog of vancomycin with improved lipophilicity and bioavailability when given intramuscularly. Teicoplanin inhibits peptidoglycan formation and cell wall synthesis. This compound may also cause epileptogenic activity, potentially related to downstream modulation of GABA signaling. Teicoplanin is also used as a chiral selector in capillary liquid chromatography.



**Bulk quantities available upon request**

Product ID	Size
T1733	25 mg
T1733	100 mg
T1733	250 mg
T1733	1 g

**References** Nailor MD, Sobel JD. Antibiotics for gram-positive bacterial infections: vancomycin, teicoplanin, quinupristin/dalfopristin, oxazolidinones, daptomycin, dalbavancin, and telavancin. *Infect Dis Clin North Am.* 2009 Dec;23(4):965-82, ix. PMID: 19909893.

Takechi K, Ishikawa T, Kamei C. Epileptogenic activity induced by teicoplanin and effects of some antiepileptics in mice. *J Pharmacol Sci.* 2008 Aug;107(4):428-33. PMID: 18678985.

Kafková B, Bosáková Z, Tesarová E, et al. Chiral separation of beta-adrenergic antagonists, profen non-steroidal anti-inflammatory drugs and chlorophenoxypropionic acid herbicides using teicoplanin as the chiral selector in capillary liquid chromatography. *J Chromatogr A.* 2005 Sep 23;1088(1-2):82-93. PMID: 16130735.

Somma S, Gastaldo L, Corti A. Teicoplanin, a new antibiotic from *Actinoplanes teichomyceticus* nov. sp. *Antimicrob Agents Chemother.* 1984 Dec;26(6):917-23. PMID: 6240963.

**Caution:** This product is intended for laboratory and research use only. It is not for human or drug use.