



LKT Laboratories, Inc.

Tedizolid

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## Product Information

Product ID T165131

CAS No. 856866-72-3

Chemical Name 3-(3-fluoro-4-(6-(2-methyl-2H-tetrazol-5-yl)pyridin-3-yl)phenyl)-5-(hydroxymethyl)oxazolidin-2-one

Synonym TR 700

Formula  $C_{17}H_{15}FN_6O_3$

Formula Wt. 370.34

Melting Point

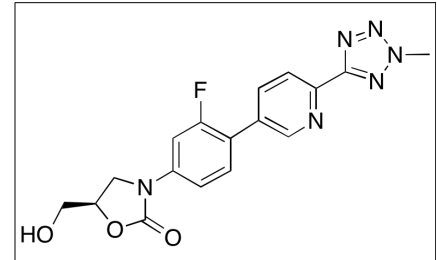
Purity  $\geq 98\%$

Solubility Soluble in Dimethyl sulfoxide, 10 mM in DMSO

Store Temp  $-20^{\circ}C$

Ship Temp Blue Ice

**Description** Tedizolid is a second-generation oxazolidinone found to be effective against gram-positive pathogens. In murine models of penicillin-resistant *Streptococcus pneumoniae* infection, tedizolid was as effective as or more effective than linezolid and showed less inflammatory cell invasion into alveolar spaces. In another study on a murine model of hematogenous pulmonary infection, tedizolid and linezolid both showed antimicrobial and immunomodulatory results superior to treatment with vancomycin.



## Pricing and Availability

*Bulk quantities available upon request*

Product ID	Size	List Price
T165131	5 mg	\$82.70
T165131	25 mg	\$275.60
T165131	100 mg	\$716.60

- References** Choi S, Im W, Bartizal K. Activity of tedizolid phosphate (TR-701) in murine models of infection with penicillin-resistant and penicillin-sensitive *Streptococcus pneumoniae*. *Antimicrob Agents Chemother.* 2012 Sep;56(9):4713-4717. PMID: 22713339.
- Kaku N, Morinaga Y, Takeda K, et al. Antimicrobial and immunomodulatory effects of tedizolid against methicillin-resistant *Staphylococcus aureus* in a murine model of hematogenous pulmonary infection. *Int J Med Microbiol.* 2016 Sep;306(6):421-428. PMID: 27259840.
- Park KH, Greenwood-Quaintance KE, Mandrekar J, et al. Activity of tedizolid in methicillin-resistant *Staphylococcus aureus* experimental foreign body-associated osteomyelitis. *Antimicrob Agents Chemother.* 2016 Oct 21;60(11):6568-6572. PMID: 27550347.

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