



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

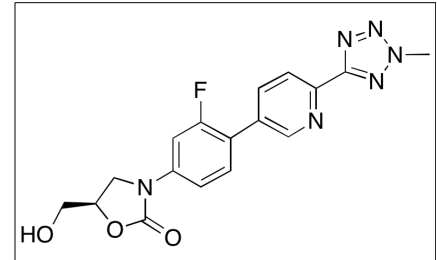
Purity $\geq 98\%$

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.