

Product Name:	Tedizolid
Product Number:	T117
CAS Number:	856866-72-3
Molecular Formula:	C ₁₇ H ₁₅ FN ₆ O ₃
Molecular Weight:	370.34 g/mol
Form:	Powder
Appearance:	White to off-white
Solubility:	DMSO (10 mg/mL)
Source:	Synthetic
Storage Conditions:	2-8C
Description:	Tedizolid is an oxazolidone antibiotic. It is bacteriostatic against Gram-positive organisms.
Mechanism of Action:	Tedizolid binds to the 23S rRNA of the 50S ribosomal subunit, preventing the formation of the 70S initiation complex and inhibiting protein synthesis.
Spectrum:	Effective against Gram-positive bacteria including MRSA and VRE, and linezolid-resistant strains
References:	Choi S, Im W, and Bartizal K (2012) Activity of tedizolid phosphate (TR-701) in murine models of infection with penicillin-resistant and penicillin-sensitive <i>Streptococcus pneumoniae</i> . <i>Antimicrob Agents Chemother.</i> 2012 Sep;56(9):4713-7 PMID 22713339 Kisgen JJ, Mansour H, Unger NR, Childs LM (2014) Tedizolid: a new oxazolidinone antimicrobial. <i>Am. J. Health Syst. Pharm.</i> 71(8):621-33 PMID 24688035 Rybak JM, Marx K, Martin CA (2014) Early experience with tedizolid: Clinical efficacy, pharmacodynamics, and resistance. <i>Pharmacother.</i> 34(11):1198-208 PMID 25266820