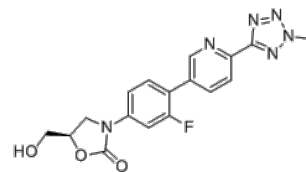


Product Name : Tedizolid
Cat. No. : PC-20075
CAS No. : 856866-72-3
Molecular Formula : C₁₇H₁₅FN₆O₃
Molecular Weight : 370.34
Target : Bacterial
Solubility : 10 mM in DMSO



Biological Activity

Tedizolid (TR-700, DA-7157) is an oxazolidinone antibiotic with activity against mycobacterium tuberculosis and nocardia brasiliensis with MIC₅₀ of 0.25 ug/mL.

Tedizolid shows MIC₅₀ value 0.25 ug/mL against methicillin-resistant Staphylococcus aureus (MRSA) isolates.

Tedizolid demonstrated greater in vitro potency than linezolid against staphylococci, including linezolid-resistant and vancomycin-nonsusceptible strains, and was 32-fold more active than linezolid against the seven cfr-positive MRSA strains tested.

Tedizolid demonstrated MIC(90) of ≤0.5 µg/ml against clinical isolates of major aerobic and anaerobic bacteria.

References

Locke JB, et al. Antimicrob Agents Chemother. 2009 Dec;53(12):5265-74.

Vera-Cabrera L, et al. Antimicrob Agents Chemother. 2006 Sep;50(9):3170-2.

Yum JH, et al. Antimicrob Agents Chemother. 2010 Dec;54(12):5381-6.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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