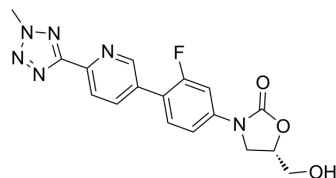


(S)-Tedizolid

Cat. No.:	HY-14855A		
CAS No.:	1431699-67-0		
Molecular Formula:	C ₁₇ H ₁₅ FN ₆ O ₃		
Molecular Weight:	370.34		
Target:	Bacterial; Antibiotic		
Pathway:	Anti-infection		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 100 mg/mL (270.02 mM)
 * "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	2.7002 mL	13.5011 mL	27.0022 mL
	5 mM	0.5400 mL	2.7002 mL	5.4004 mL
	10 mM	0.2700 mL	1.3501 mL	2.7002 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
 Solubility: ≥ 3.75 mg/mL (10.13 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
 Solubility: 3.75 mg/mL (10.13 mM); Suspended solution; Need ultrasonic

BIOLOGICAL ACTIVITY

Description

(S)-Tedizolid is the S-enantiomer of Tedizolid. Tedizolid is a novel oxazolidinone with activity against Gram-positive pathogens. (S)-Tedizolid is the less active isomer.

IC₅₀ & Target

Oxazolidinone

CUSTOMER VALIDATION

-
- Journal of Molecular Structure. 2016 Jul 5; 1115:136-143.
 - J Pharm Biomed Anal. 2016 Feb 20;120:402-12.

See more customer validations on www.MedChemExpress.com

Caution: Product has not been fully validated for medical applications. For research use only.

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