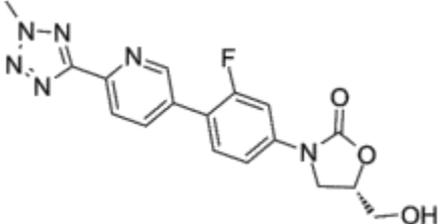


Product Data Sheet

Cas No. :	1431699-67-0	Cat. No. :	HY-14855A
Product:	(S)-Tedizolid		
Product synonym:	(S)-TR 700 \ (S)-DA 7157 \ Torezolid-24		
Chemical Name :	-		
MF :	C ₁₇ H ₁₅ FN ₆ O ₃	FW :	370.338
Purity :	95.56%	Batch No. :	
Storage :	Powder: -20°C 3 years or 4°C 2 years In solvent: -80°C 6 months or -20°C 1 month		
Structural formula :			
SMILES :	O=C1O[C@H](CO)CN1C2=CC=C(C3=CC=C(C4=NN(C)N=N4)N=C3)C(F)=C2		
InChI :	-		
Solubility:	-	Appearance :	-
Melting point :	-	Flash point :	-
Boiling point :	-	transportation:	-

SOLUBILITY DATA

DMSO : ≥ 100 mg/mL (270.02 mM) * "≥" means soluble, but saturation unknown.					
In vitro experiments	Prepare stock solution	Solvent	1 mg	5 mg	10 mg
		Concentration			
		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 select the appropriate solvent to prepare the stock solution according to the solubility of the product in different solvents; once the solution is prepared, please store it in separate packages to avoid product failure caused by repeated freezing and thawing. Storage method and duration of stock solution: -80°C, 6 months; -20°C, 1 month. When stored at -80°C, use within 6 months, when stored at -20°C, use within 1 month.					

In vivo experiments	<p>Please select the appropriate dissolution protocol according to your experimental animal and mode of administration. For the following dissolution protocols, first prepare clear stock solutions according to the In Vitro method, and then add co-solvents in sequence:</p> <p>In order to ensure the reliability of the experimental results, the clear stock solution can be properly stored according to the storage conditions; the working solution for in vivo experiments is recommended to be prepared and used on the same day; the percentages shown before the following solvents refer to the The volume ratio of the solvent in your final solution; if precipitation or precipitation occurs during the preparation process, heating and/or ultrasound can be used to assist the dissolution.</p> <p>1. Please add each solvent in sequence: 10% DMSO → 40%PEG300 → 5% Tween-80 → 45% saline Solubility: ≥ 3.75 mg/mL (10.13 mM); Clear solution This protocol yields a clear solution of ≥ 3.75 mg/mL (10.13 mM, saturation unknown). Take 1 mL of working solution as an example, add 100 μL of 37.5 mg/mL clear DMSO stock solution to 400 μL of PEG300, and mix well; add 50 μL of Tween-80 to the above system, mix well; then continue to add Add 450 μL of normal saline to make up to 1 mL.</p> <p>2. Please add each solvent in sequence: 10% DMSO → 90% (20% SBE-β-CD in saline) Solubility: 3.75 mg/mL (10.13 mM); Suspended solution; Need ultrasonic This protocol yields a homogeneous suspension of 3.75 mg/mL (10.13 mM), which can be used for oral and intraperitoneal injection. Taking 1 mL of working solution as an example, add 100 μL of 37.5 mg/mL clarified DMSO stock solution to 900 μL of 20% SBE-β-CD saline solution and mix well.</p>
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BIOLOGICAL ACTIVITY

biological activity	(S)-Tedizolid is the less active S-enantiomer of Tedizolid. Tedizolid is a novel oxazolidinone with activity against blue-positive pathogens.
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LABORATORY PROCEDURES

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PRODUCT DESCRIPTION

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REFERENCE MATERIAL

<ul style="list-style-type: none"> • J Pharm Biomed Anal. 2016 Feb 20;120:402-12. • Journal ofMolecular Structure. 2016 Jul 5; 1115:136-143.
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