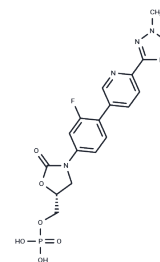


Tedizolid Phosphate

Chemical Properties

CAS No. :	856867-55-5
Formula:	C ₁₇ H ₁₆ FN ₆ O ₆ P
Molecular Weight:	450.32
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Tedizolid Phosphate (TR-701FA) is an oxazolidinone-class antibiotic. Tedizolid phosphate is a phosphate ester prodrug of the active compound tedizolid.
Targets(IC50)	Antibacterial, Antibiotic, Monoamine Oxidase
In vitro	Tedizolid (TR-700, formerly torezolid) is the active moiety of the prodrug tedizolid phosphate (TR-701), a next-generation oxazolidinone, with high potency against Gram-positive species, including methicillin-resistant Staphylococcus aureus (MRSA)[2]. Tedizolid is 4-fold more potent than linezolid against PRSP isolates in vitro[1].
In vivo	Tedizolid has excellent penetration into pulmonary epithelial lining fluid (ELF). Tedizolid phosphate administered to mice orally or intravenously is effective in vivo against systemic infection with PRSP isolates. Oral tedizolid phosphate is also effective in vivo against pneumonia induced with a PSSP strain[1].

Solubility Information

Solubility	H ₂ O: < 1 mg/mL (insoluble or slightly soluble), DMSO: 1 mg/mL (2.22 mM), Sonication is recommended. Ethanol: < 1 mg/mL (insoluble or slightly soluble), (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 1 mg/mL (2.22 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2206 mL	11.1032 mL	22.2064 mL
5 mM	0.4441 mL	2.2206 mL	4.4413 mL
10 mM	0.2221 mL	1.1103 mL	2.2206 mL
50 mM	0.0444 mL	0.2221 mL	0.4441 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Choi S, et al. Antimicrob Agents Chemother. 2012, 56(9):4713-7.

Prokocimer P, et al. Antimicrob Agents Chemother. 2012, 56(9):4608-13.

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