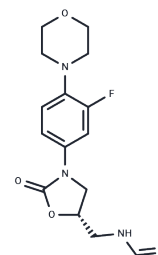


Demethyl linezolid

Chemical Properties

CAS No. :	168828-65-7
Formula:	C ₁₅ H ₁₈ FN ₃ O ₄
Molecular Weight:	323.324
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	Demethyl linezolid is an impurity observed in linezolid, an antimicrobial compound. It exhibits effective antimicrobial properties against various human and veterinary pathogens.
Targets(IC50)	Others,Antibacterial
In vivo	Demethyl linezolid effectively suppresses Staphylococcus aureus bacterial growth in mice, achieving an inhibitory concentration (ED 50) of 4.4 mg/kg through oral administration[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0929 mL	15.4646 mL	30.9291 mL
5 mM	0.6186 mL	3.0929 mL	6.1858 mL
10 mM	0.3093 mL	1.5465 mL	3.0929 mL
50 mM	0.0619 mL	0.3093 mL	0.6186 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

Michael R, et, al. Substituted oxazine and thiazine oxazolidinone antimicrobials. WO1995007271A1

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