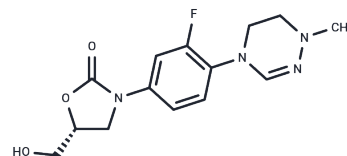


Delpazolid

Chemical Properties

CAS No. :	1219707-39-7
Formula:	C ₁₄ H ₁₇ FN ₄ O ₃
Molecular Weight:	308.31
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Delpazolid (LCB01-0371), also known as LCB01-0371, is a new oxazolidinone with cyclic amidrazone. In vitro activity of LCB01-0371 against 624 clinical isolates was evaluated and compared with those of linezolid, vancomycin, and other antibiotics. LCB01-0371 showed good activity against Gram-positive pathogens. In vivo activity of LCB01-0371 against systemic infections in mice was also evaluated. LCB01-0371 was more active than linezolid against these systemic infections. LCB01-0371 showed bacteriostatic activity against Staphylococcus aureus.
Targets(IC50)	Antibacterial,Antibiotic

Solubility Information

Solubility	DMSO: 30 mg/mL (97.30 mM),Sonication and heating are recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2435 mL	16.2174 mL	32.4349 mL
5 mM	0.6487 mL	3.2435 mL	6.487 mL
10 mM	0.3243 mL	1.6217 mL	3.2435 mL
50 mM	0.0649 mL	0.3243 mL	0.6487 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.

Reference

Jeong JW, et al. In vitro and in vivo activities of LCB01-0371, a new oxazolidinone. Antimicrob Agents Chemother. 2010 Dec;54(12):5359-62. Jeong JW1,

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481