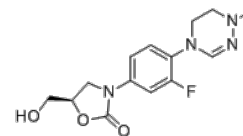


**Product Name** : Delpazolid  
**Cat. No.** : PC-60037  
**CAS No.** : 1219707-39-7  
**Molecular Formula** : C<sub>14</sub>H<sub>17</sub>FN<sub>4</sub>O<sub>3</sub>  
**Molecular Weight** : 308.313  
**Target** : Bacterial  
**Solubility** : 10 mM in DMSO



## Biological Activity

Delpazolid (LCB01-0371) is an oxazolidinone antibiotic that shows good antibacterial activity (MSSA MIC<sub>50</sub>=1 ug/mL). Delpazolid (LCB01-0371) potently inhibits MSSA and MRSA clinical isolates with MIC of 0.5-2 and 0.5-4 ug/mL, respectively. Delpazolid (LCB01-0371) shows more-potent protective effects (MSSA ED<sub>50</sub>=4.53 mg/kg) than Linezolid against systemic infections caused by Gram-positive and Gram-negative bacteria in mice model.

## References

- Jeong JW, et al. Antimicrob Agents Chemother. 2010 Dec;54(12):5359-62.  
Kim TS, et al. Antimicrob Agents Chemother. 2017 Aug 24;61(9). pii: e02752-16.  
Choi Y, et al. J Antimicrob Chemother. 2017 Oct 23. doi: 10.1093/jac/dkx367.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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