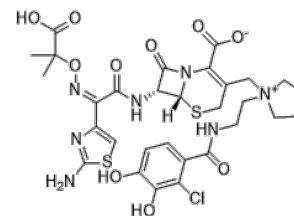


**Product Name** : Cefiderocol  
**Cat. No.** : PC-22835  
**CAS No.** : 1225208-94-5  
**Molecular Formula** : C<sub>30</sub>H<sub>34</sub>ClN<sub>7</sub>O<sub>10</sub>S<sub>2</sub>  
**Molecular Weight** : 752.21  
**Target** : Bacterial  
**Solubility** : 10 mM in DMSO



## Biological Activity

Cefiderocol (CFDC, S-649266) is a siderophore cephalosporin antibiotic, has a potent activity against a broad range of aerobic Gram-negative bacterial species with MIC<sub>50</sub> of <2 ug/mL.

Cefiderocol shows antibacterial activity against carbapenem-resistant strains of Enterobacteriaceae and nonfermenting bacteria such as *Pseudomonas aeruginosa* and *Acinetobacter baumannii*.

Cefiderocol has affinity mainly for penicillin-binding protein 3 (PBP3) of Enterobacteriaceae and nonfermenting bacteria similar to that of ceftazidime.

## References

Ito A, et al. Antimicrob Agents Chemother. 2017 Dec 21;62(1).

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

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