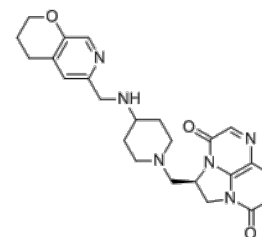


**Product Name** : GSK-2140944  
**Cat. No.** : PC-61938  
**CAS No.** : 1075236-89-3  
**Molecular Formula** : C<sub>24</sub>H<sub>28</sub>N<sub>6</sub>O<sub>3</sub>  
**Molecular Weight** : 448.527  
**Target** : Bacterial  
**Solubility** : 10 mM in DMSO



## Biological Activity

GSK-2140944 (Gepotidacin) is a novel potent, selective bacterial **type II topoisomerase** inhibitor in development for the treatment of conventional and biothreat pathogens, including Gram-positive pathogens and MRSA.

GSK-2140944 (Gepotidacin) shows antibacterial activity against MSSA and MRSA isolates (MIC<sub>90</sub>=0.5 ug/ml).

## References

Bax BD, et al. *Nature*. 2010 Aug 19;466(7309):935-40.

Biedenbach DJ, et al. *Antimicrob Agents Chemother*. 2016 Jan 4;60(3):1918-23.

So W, et al. *Antimicrob Agents Chemother*. 2015 Aug;59(8):4956-61.

Farrell DJ, et al. *Antimicrob Agents Chemother*. 2017 Feb 23;61(3). pii: e02047-16.

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

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