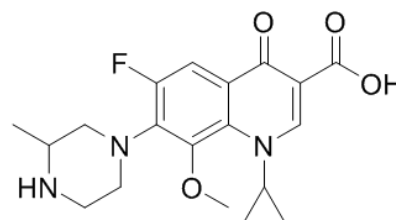


**Product Name** : Gatifloxacin  
**Cat. No.** : PC-42665  
**CAS No.** : 112811-59-3  
**Molecular Formula** : C<sub>19</sub>H<sub>22</sub>FN<sub>3</sub>O<sub>4</sub>  
**Molecular Weight** : 375.3941  
**Target** : Bacterial  
**Solubility** : 10 mM in DMSO



### Biological Activity

Gatifloxacin (PD 135432, AM1155) is a fourth-generation fluoroquinolone antibiotic that inhibits the bacterial **DNA gyrase** and **topoisomerase IV**.

Gatifloxacin displays 2- to 16-fold more active than ciprofloxacin and ofloxacin against *Staphylococcus aureus* with MICs of 0.1-0.78 ug/mL.

### References

- Hosaka M, et al. *Antimicrob Agents Chemother.* 1992 Oct;36(10):2108-17.  
Tomioka H, et al. *Antimicrob Agents Chemother.* 1993 Jun;37(6):1259-63.  
Wakabayashi E, et al. *Antimicrob Agents Chemother.* 1994 Mar;38(3):594-601.

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

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