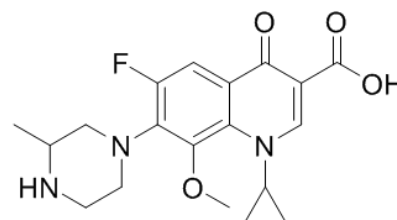


Product Name : Gatifloxacin
Cat. No. : PC-42665
CAS No. : 112811-59-3
Molecular Formula : C₁₉H₂₂FN₃O₄
Molecular Weight : 375.3941
Target : Bacterial
Solubility : 10 mM in DMSO



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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