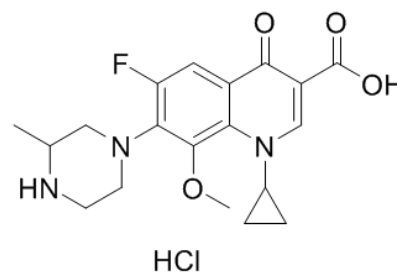


Product Name : Gatifloxacin hydrochloride
Cat. No. : PC-42666
CAS No. : 121577-32-0
Molecular Formula : C₁₉H₂₃ClFN₃O₄
Molecular Weight : 411.855
Target : Bacterial
Solubility : 10 mM in DMSO



Biological Activity

A fourth-generation fluoroquinolone antibiotic that inhibits the bacterial DNA gyrase and topoisomerase IV; 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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