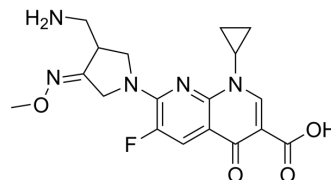


## Gemifloxacin

Cat. No.:	HY-116229
CAS No.:	175463-14-6
Molecular Formula:	C <sub>18</sub> H <sub>20</sub> FN <sub>5</sub> O <sub>4</sub>
Molecular Weight:	389.38
Target:	Antibiotic; Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	Gemifloxacin, a fluoroquinolone, is a potent and orally active antipneumococcal agent. Gemifloxacin shows bactericidal activity against highly quinolone-resistant pneumococci. Gemifloxacin can be used for the research of respiratory infections, such as community-acquired pneumonia (CAP) and acute exacerbation of chronic bronchitis (AECB) <sup>[1][2]</sup> .
IC <sub>50</sub> & Target	Quinolone

### REFERENCES

- [1]. Yoo BK, et al. Gemifloxacin: a new fluoroquinolone approved for treatment of respiratory infections. *Ann Pharmacother.* 2004 Jul-Aug;38(7-8):1226-35.
- [2]. Davies TA, et al. Antipneumococcal activities of gemifloxacin compared to those of nine other agents. *Antimicrob Agents Chemother.* 2000 Feb;44(2):304-10.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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