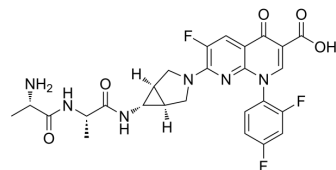


## Alatrofloxacin

Cat. No.:	HY-16035
CAS No.:	146961-76-4
Molecular Formula:	C <sub>26</sub> H <sub>25</sub> F <sub>3</sub> N <sub>6</sub> O <sub>5</sub>
Molecular Weight:	558.51
Target:	DNA/RNA Synthesis; Antibiotic
Pathway:	Cell Cycle/DNA Damage; Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	Alatrofloxacin, the parenteral proagent of Trovafloxacin, is a fluoronaphthyridone which contains an L-alanyl-L-alanyl salt. Alatrofloxacin functions similar to other fluoroquinolone antibiotics in that it not only has antibiotic activity to kill invading organisms by interfering with DNA synthesis, it possesses immunosuppressive activity <sup>[1]</sup> .
IC <sub>50</sub> & Target	Quinolone

### REFERENCES

[1]. Hall IH, et al. Effects of alatrofloxacin, the parental prodrug of trovafloxacin, on phagocytic, anti-inflammatory and immunomodulation events of human THP-1 monocytes. *Biomed Pharmacother.* 2003;57(8):359-365.

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

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