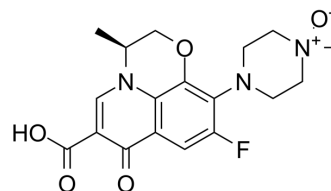


## Levofloxacin N-oxide

Cat. No.:	HY-133787
CAS No.:	117678-38-3
Molecular Formula:	C <sub>18</sub> H <sub>20</sub> FN <sub>3</sub> O <sub>5</sub>
Molecular Weight:	377.37
Target:	Drug Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### BIOLOGICAL ACTIVITY

#### Description

Levofloxacin N-oxide is a minor metabolite of [Levofloxacin](#) (HY-B0330). Levofloxacin N-oxide does not exhibit significantly genotoxic risks. Levofloxacin is an orally active antibiotic and is active against both Gram-positive and Gram-negative bacteria<sup>[1][2]</sup>.

### REFERENCES

- [1]. Zhu Q, et al. In silico and in vitro genotoxicity evaluation of levofloxacin n-oxide, an impurity in levofloxacin. Toxicol Mech Methods. 2012 Apr;22(3):225-30.
- [2]. Nightingale CH, et al. Pharmacodynamics and pharmacokinetics of levofloxacin. Chemotherapy. 2000;46 Suppl 1:6-14.

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

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