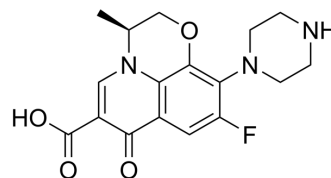


## Desmethyl Levofloxacin

<b>Cat. No.:</b>	HY-135389		
<b>CAS No.:</b>	117707-40-1		
<b>Molecular Formula:</b>	C <sub>17</sub> H <sub>18</sub> FN <sub>3</sub> O <sub>4</sub>		
<b>Molecular Weight:</b>	347.34		
<b>Target:</b>	Drug Metabolite; Antibiotic		
<b>Pathway:</b>	Metabolic Enzyme/Protease; Anti-infection		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 8.33 mg/mL (23.98 mM; ultrasonic and warming and heat to 60°C)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.8790 mL	14.3951 mL	28.7902 mL
5 mM	0.5758 mL	2.8790 mL	5.7580 mL
10 mM	0.2879 mL	1.4395 mL	2.8790 mL

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

Desmethyl Levofloxacin is a metabolite of Levofloxacin. Levofloxacin, a synthetic fluoroquinolone, is an antibacterial agent that inhibits the supercoiling activity of bacterial DNA gyrase, halting DNA replication<sup>[1]</sup>.

#### IC<sub>50</sub> & Target

Quinolone

### REFERENCES

[1]. Siva, R., et al., Effect of levofloxacin on neutrophilic airway inflammation in stable COPD: a randomized, double-blind, placebo-controlled trial. *Int J Chron Obstruct Pulmon Dis*, 2014. 9: p. 179-86.

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

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