Accepted Manuscript

Ozonation of norfloxacin and levofloxacin in water: Specific reaction rate constants and defluorination reaction

Wencui Ling, Weiwei Ben, Ke Xu, Yu Zhang, Min Yang, Zhimin Qiang

PII: S0045-6535(17)32049-0

DOI: 10.1016/j.chemosphere.2017.12.079

Reference: CHEM 20460

To appear in: *ECSN*

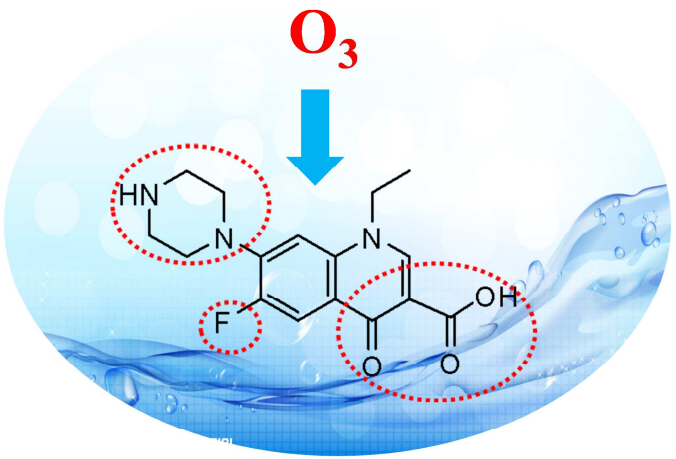
Received Date: 24 August 2017

Revised Date: 10 December 2017

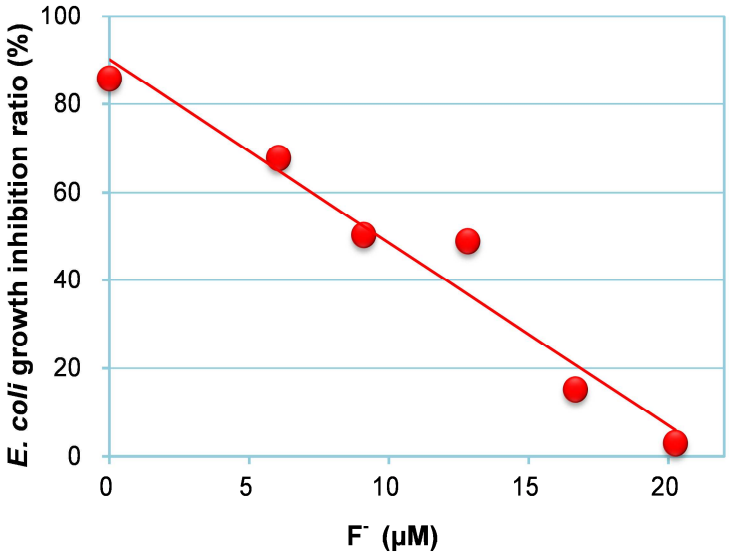
Accepted Date: 12 December 2017

Please cite this article as: Ling, W., Ben, W., Xu, K., Zhang, Y., Yang, M., Qiang, Z., Ozonation of norfloxacin and levofloxacin in water: Specific reaction rate constants and defluorination reaction, *Chemosphere* (2018), doi: 10.1016/j.chemosphere.2017.12.079.

Graphical Abstract



FQs	$k''_{O_3,FQ}$ (M^{-1} s^{-1})		
	k''_1	k''_2	k''_3
NF	7.20×10^2	8.59×10^3	4.54×10^5
LOF	1.30×10^3	1.40×10^4	1.33×10^6



Defluorination was a prevalent pathway in ozonation of FQs .