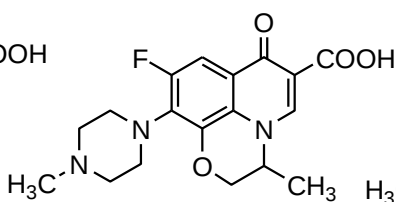
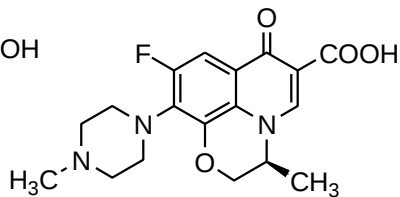


1, Norfloxacin; R= Ethyl

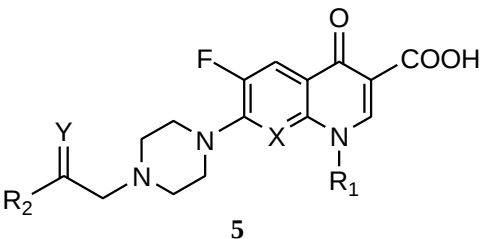
2, Ciprofloxacin; R= cyclopropyl



3, Ofloxacin



4, Levofloxacin

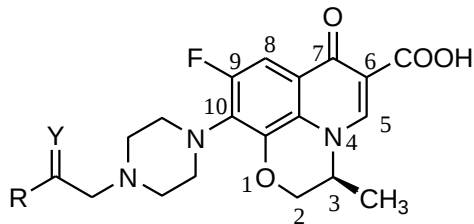


X=CH, N

Y= O, NOH, NOCH₃, NOCH₂Ar

R₁= Cyclopropyl, Ethyl

R₂= Aryl, Heteroaryl



6a-j

R= Thiophen-2-yl, Thiophen-3-yl,

5-Chlorothiophen-2-yl, 5-Bromothiophen-2-yl

Y= O, NOH, NOCH₃, NOCH₂Ph