

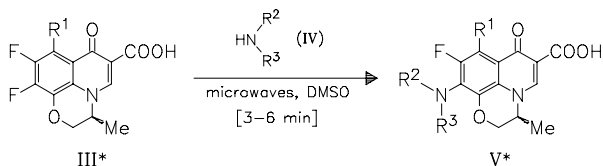
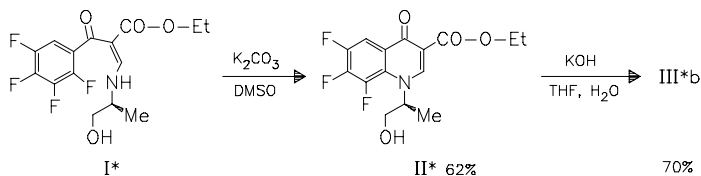
Oxazine derivatives

R 0595

28- 155


Novel Ofloxacin Derivatives: Synthesis, Antimycobacterial and Toxicological


Evaluation. — Thirty novel ofloxacin derivatives (V) are synthesized by fluor-amine exchange reaction of precursors (III). They are tested for antimycobacterial activity against MTB, MDR-TB and Mycobacterium smegmatis. (Va) is the most active compound against MTB and MDR-TB and more potent than isoniazid and ofloxacin. — (DINAKARAN, M.; SENTHILKUMAR, P.; YOGESWAR, P.; CHINA, A.; NAGARAJA, V.; SRIRAM*, D.; Bioorg. Med. Chem. Lett. 18 (2008) 3, 1229-1236; Med. Chem. Res. Lab., Dep. Pharm., Birla Inst. Technol. Sci., Pilani 333 031, India; Eng.) — M. Paetzel





III*

a R¹: $-NO_2$
 b R¹: $-H$

a R¹: $-NO_2$; R²-R³:  84%

b R¹: $-NO_2$; R²-R³:  66%

c R¹: $-NO_2$; R²-R³:  69%

d R¹: $-H$; R²-R³:  70%

V*