
Product Name	: Temafloxacin
Synonyms	: Omniiflox
Cat No.	: M27161
CAS Number	: 108319-06-8
Molecular Formula	: C ₂₁ H ₁₈ F ₃ N ₃ O ₃
Formula Weight	: 417.4
Chemical Name	: —
Description	: Temafloxacin is an antibiotic and antimycobacterial agent. It used to treat lower respiratory tract infections, genital and urinary infections like prostatitis, and skin infections. (In Vitro): Temafloxacin has broad antimicrobial activity against gram-positive and gram-negative bacteria, including improved in vitro activity against <i>Streptococcus pneumoniae</i> , <i>Mycoplasma hominis</i> , and anaerobic bacteria, including <i>Bacteroides fragilis</i> . (In Vivo): Temafloxacin has a half-life of 7-8 hours and rapid gastrointestinal absorption. Temafloxacin has excellent tissue and body fluid penetration and concentration except for the central nervous system (CNS).
Pathway	: Microbiology/Virology
Target	: Antibiotic
Receptor	: Human Endogenous Metabolite
Solubility	: —
SMILES	: <chem>CC1CN(CCN1)c1cc2n(cc(C(O)=O)c(=O)c2cc1F)-c1ccc(F)cc1F</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1.Hirschhorn R, et al. Increased excretion of modified adenine nucleosides by children with adenosine deaminase deficiency. *Pediatr Res.* 1982 May;16(5):362-9.