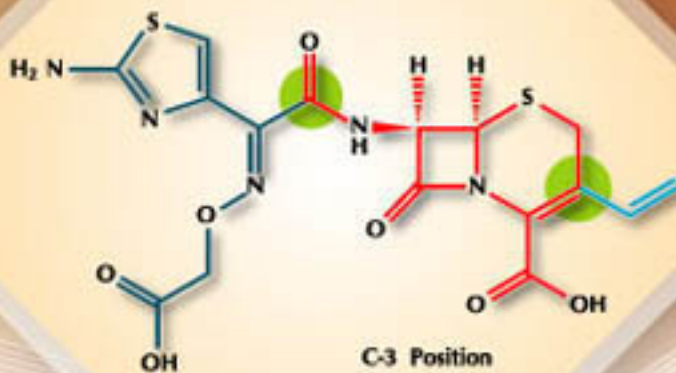


C-7 Position



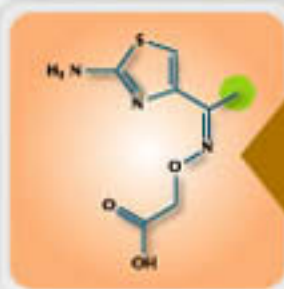
C-3 Position



SAR (Structure Activity Relationship)
determines the
unique nature of Cefixime

Cefixime is a drug of 3rd generation oral Cephalosporin antibiotic having a unique molecular structure containing a aminothiazolyl group at C-7 position and vinyl group at C-3 position exhibits unparallel pharmacokinetic and pharmacodynamic effects.

Uniqueness of C-7 position:



Aminothiazolyl group

- **β-lactamase stability**- Highly effective against β-lactamase producing bacteria
- **High plasma half-life**- Long acting efficacy (18 hours)
- **Better urinary excretion**- Less chances of systemic toxicity

Uniqueness of C-3 position:



Vinyl group

- **More gram (-) ve activity**- Active against more gram (-) ve bacteria
- **Quick intestinal absorption**- Faster onset of action (2 hours)



TEXTIT

Cefixime 200 mg & 400 mg Capsule
& 100 mg /5 ml PFS

Ensures the exit of tough infections

◉ Excellent efficacy in tough and deep seated infections



✓ **TEXTIT** (Cefixime) ensures the highest success against tough infections

Ref: 1. Proc. Ind. Pharm. Soc. 43:65-66(2008) 2. Chemotherapy, 44 Suppl 1 (HD): 31-4, 1998 Sep. 3. Prikeri, 2011 Dec;32(2):143-53



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