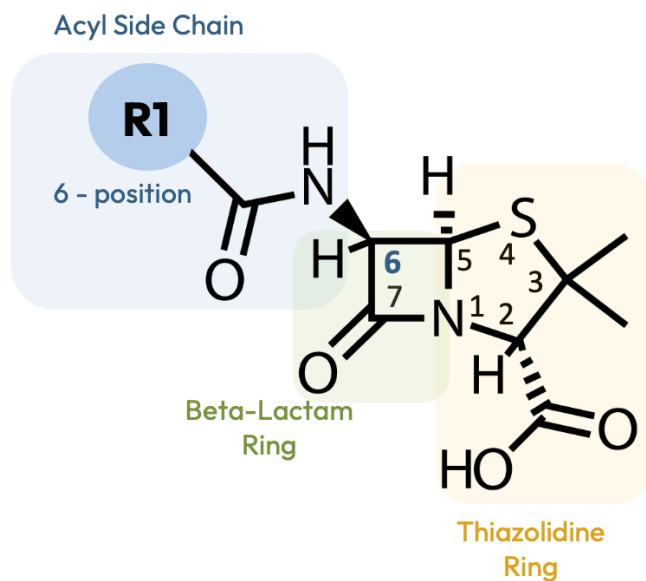


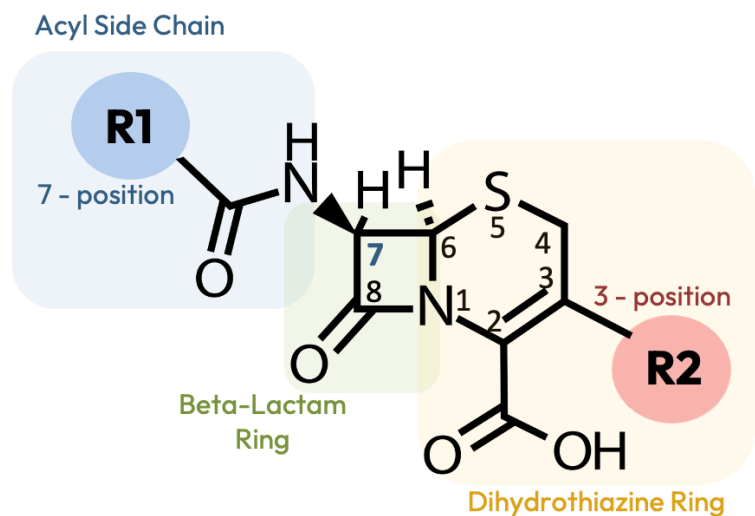
PENICILLIN & CEPHALOSPORIN

ANTIBIOTIC STRUCTURES

PENICILLINS



CEPHALOSPORINS



Cross-reactivity between penicillin & cephalosporins = R1 side chain

Cross-reactivity between cephalosporins =

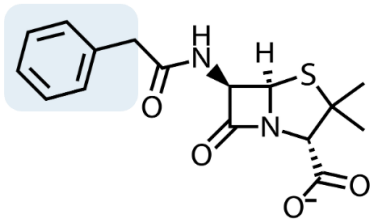
R1 & R2 side chains

PENICILLINS vs. AMINOPENICILLINS ANTIBIOTIC STRUCTURES

PENICILLINS

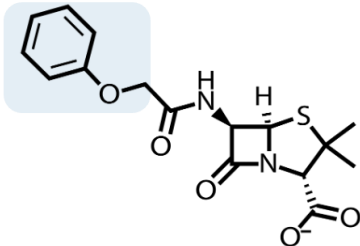
PENICILLIN G

R1-side chain



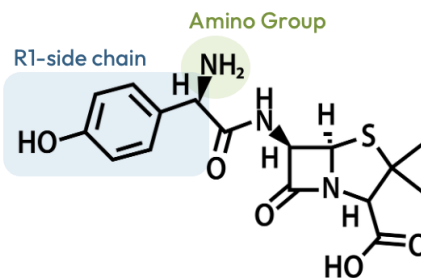
PENICILLIN V

R1-side chain

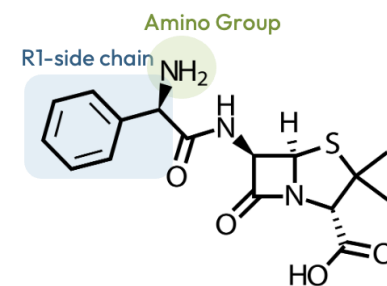


AMINOPENICILLINS

AMOXICILLIN



AMPICILLIN





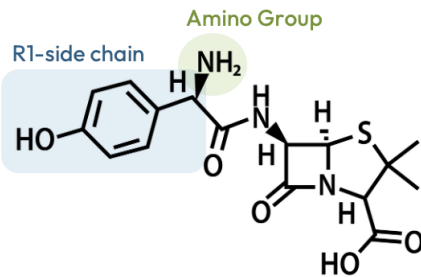
THIS IS WHY
with Dr. Busti

AMINOPENICILLINS vs. AMINOCEPHALOSPORINS

ANTIBIOTIC STRUCTURES: IDENTICAL R1 SIDE CHAINS

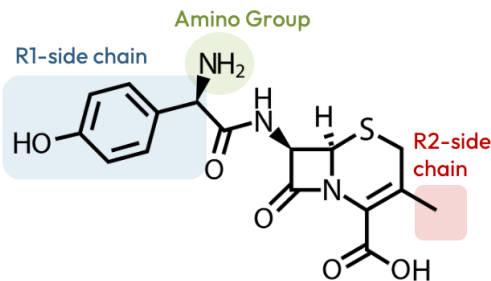
AMINOPENICILLIN

AMOXICILLIN

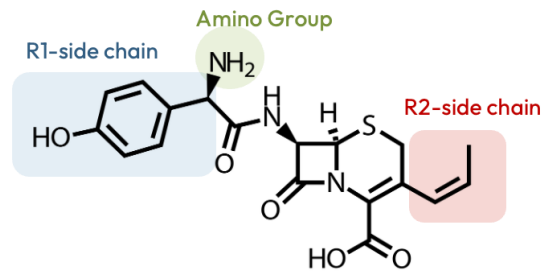


AMINOCEPHALOSPORINS

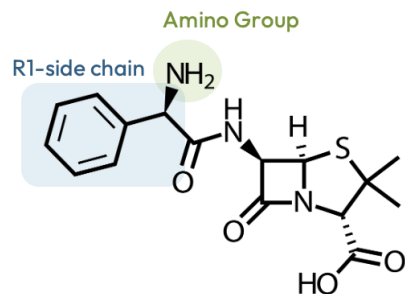
CEFADROXIL (1st Generation)



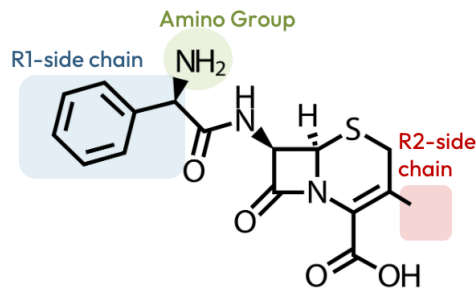
CEFPROZIL (2nd Generation)



AMPICILLIN



CEPHALEXIN (1st Generation)



CEFACLOX (2nd Generation)

