

2nd year ENSCL

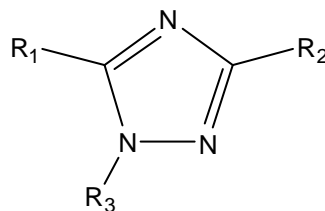
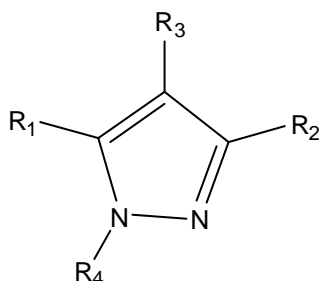
Academic year 2009-2010

SUBJECT N°1

Contact: Lagrenée Michel (michel.lagrenée@ensc-lille.fr)

Synthesis of pyrazoles and triazoles

I Synthesis of pyrazoles and triazoles:



R₁, R₂ = aromatic substituents such as phenyl and substituted phenyl, aromatic heterocycles such as pyridine, pyrrole, furan, thiophene... , COOH and derivatives (amides, esters), CO-R with R = H, CH₃, C₆H₅.

R₃, R₄ = H, CH₃, C₆H₅

II Synthesis of Schiff bases containing pyrazoles and triazoles moieties starting from the carbonyl compounds (R₁, R₂ = CO-R with R = H, CH₃, C₆H₅)