



UNIVERSIDADE DE SÃO PAULO

Instituto de Química de São Carlos - IQSC

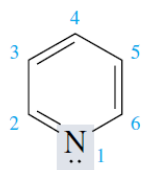
Grupo de Química Medicinal e Biológica do IQSC/USP

NEQUIMED/IQSC/USP. Email:

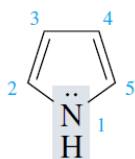
Carlos.Montanari@usp.br



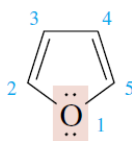
# Compostos heteroaromáticos



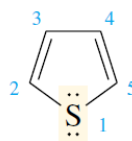
Pyridine



Pyrrole

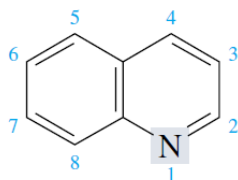


Furan

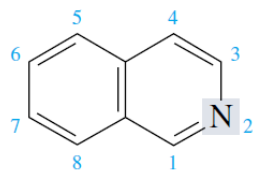


Thiophene

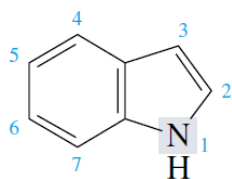
...doing  
science  
for better  
health!



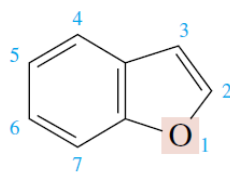
Quinoline



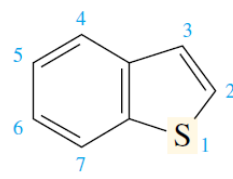
Isoquinoline



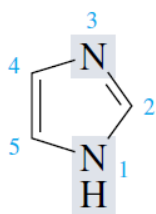
Indole



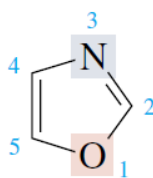
Benzofuran



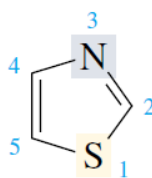
Benzothiophene



Imidazole



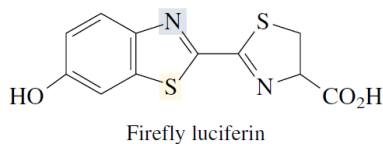
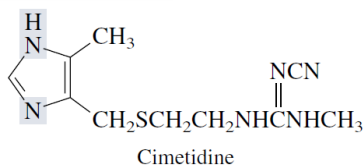
Oxazole



Thiazole



Um fármaco amplamente prescrito para o tratamento de úlcera gástrica é um derivado sintético do imidazole.

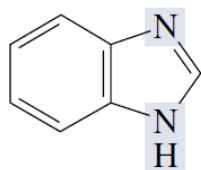


A luciferina de vaga-lume é um derivado tiazólico que emite luz.

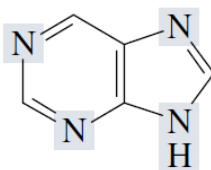


Benzimidazol presente na unidade estrutura da vitamina B<sub>12</sub>.

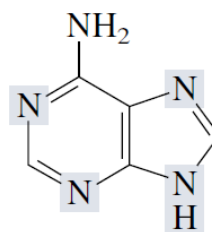
Bases heterocíclicas encontradas no DNA e RNA



Benzimidazole



Purine



Adenine



Compostos  
aromáticos  
heterocíclicos  
e a regra de  
Hückel  
 $(4n + 2) e^- \pi$

