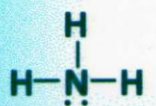
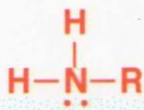


10-Aminas

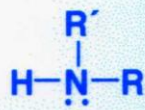
AMINAS



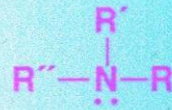
Amoníaco



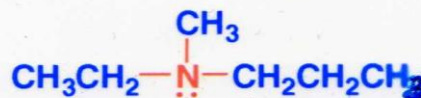
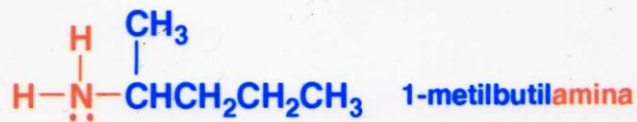
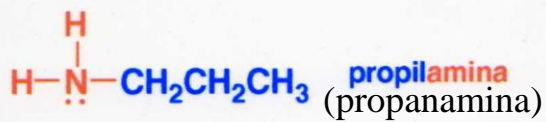
Amina primária



Amina secundária

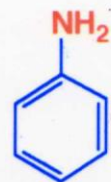


Amina terciária

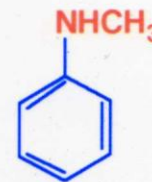


etilmetilpropilamina

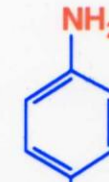
aromáticas



Anilina
(benzenamina)

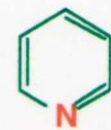


N-metilanilina
(N-metilbenzenamina)

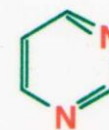


4-metilbenzenamina

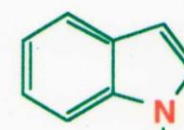
heterocíclicas



piridina



pirimidina



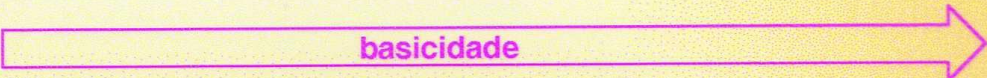
(indole)

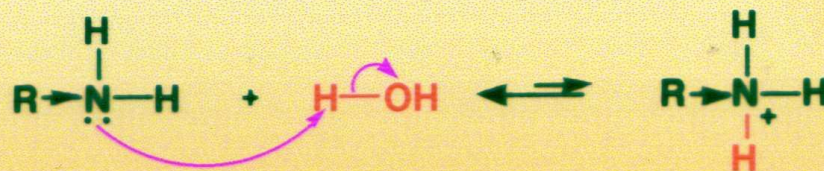
Basicidade de aminas



$$K_a = \frac{[\text{RNH}_2][\text{H}_3\text{O}^+]}{[\text{RNH}_3^+]} \quad \text{p}K_a = -\log K_a$$

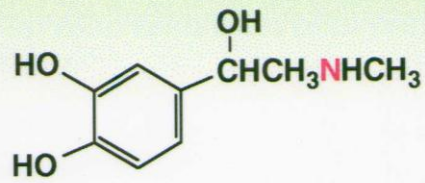
| | NH_3 | CH_3NH_2 | $\text{CH}_3\text{CH}_2\text{NH}_2$ | $\text{CH}_3\text{CH}_2\text{CH}_2\text{NH}_2$ |
|------------------------|---------------|--------------------------|-------------------------------------|--|
| pKa do ácido conjugado | 9,26 | 10,64 | 10,75 | 10,67 |



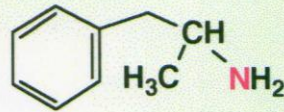


10-Aminas

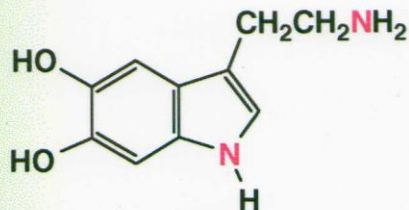
Aminas biologicamente activas



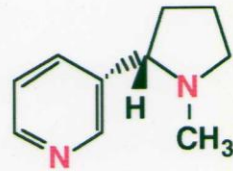
Adrenalina
aumenta a
pressão sanguínea



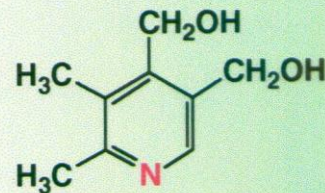
**Anfetamina
(benzidrina)**
estimulante



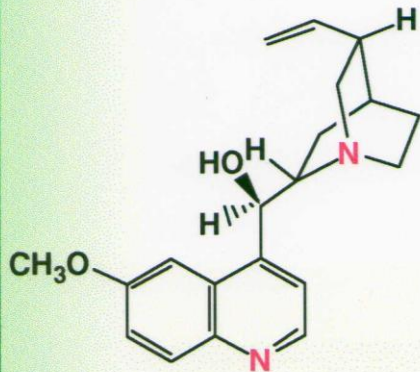
Dopamina
neurotransmissor
(Parkinson)



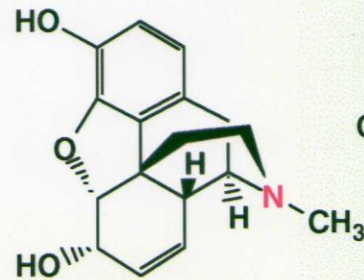
Nicotina
tóxico
(tabaco)



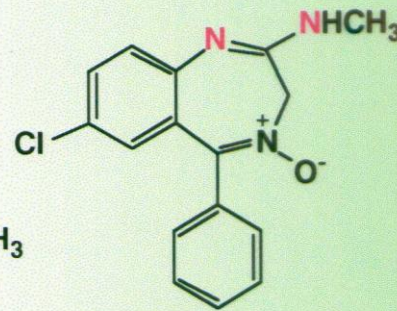
Piridoxina
vitamina B₆



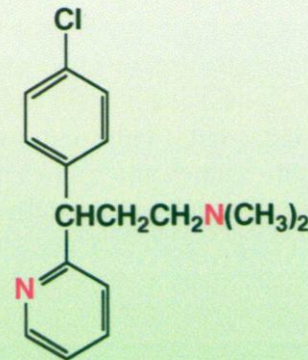
(-)-Quinina
anti-malária



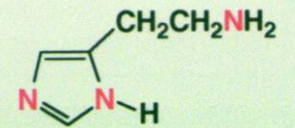
Morfina
analgésico



Clordiazepóxido
(librium)
tranquilizante



Clorofeniramina
anti-histaminico



Histamina