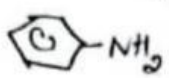
CH_3NH_2 < methanamin (IUPAC) / methylamin (chức)


< benzen amin / phenyl amin

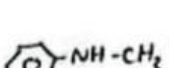
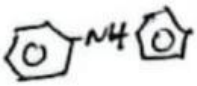
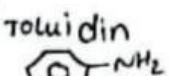
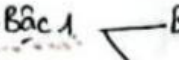
$CH_3-NH-C_2H_5$ < ~~ethan~~ N-methyl ethanamin / ethylmethyl amin

$CH_3-N(CH_3)_2$ < N,N dimethyl methan amin / Trimethyl amin

Danh pháp

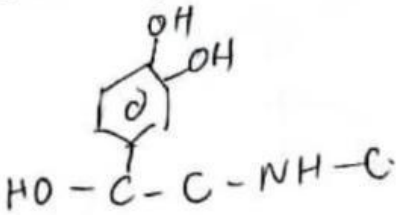
AMIN

TCHH

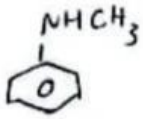
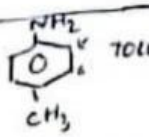
- Tính Base: R_1-NH-R_2 | RNH_2 | NH_3 |  | Anilin | 
  - Toluidin 
  - ~~pyridin~~
  - định lượng amin
- Pư với HNO_2
  - Bậc 1
    - Béo → ancol
    - Thơm → diazoni + acid sulfanilic HSO_3 -  + α naphtol → azo vàng cam
      - [phenol / amin thơm B1.
    - → pư xác định hàm lượng NO_2^- trong nước
  - Bậc 2: béo / thơm } → nitrosamin (gây ung thư)
    - R_2NH
    - $R_2N-N=O$
- Tạo amid: ceton + amin → amid

Ứng dụng

- Anilin → phẩm nhuộm; CSCH
- SULFAMID (thuốc kháng khuẩn)
- CH_3-NH_2 (mùi như NH_3) / độc với hệ TK } → Tổng hợp Adrenaline



Tính Base

$R-NH-R'$	$R-NH_2$	NH_3		anilin	diphenylamin
piperidine			 toluidin		AMID
			pyridine		pyrol

LIVEWORKSHEETS