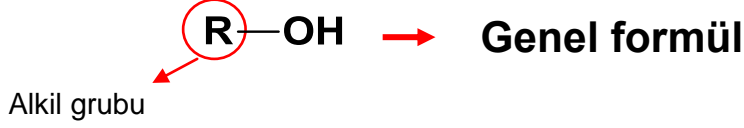


ALKOLLER VE POLİOLLER

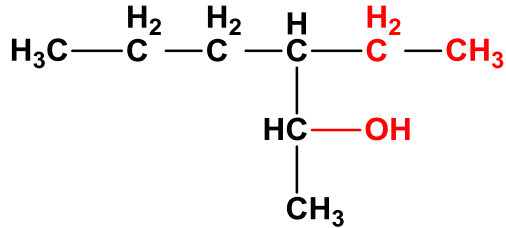
Formül:



"-OH" grubunun bağlı olduğu "C" atomunun sübstütient derecesine göre:



Adlandırma:

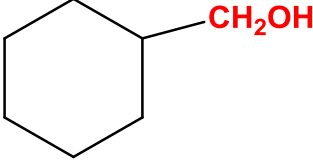
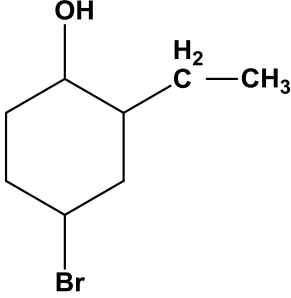


3-Etil-2-Hekzanol

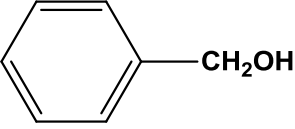
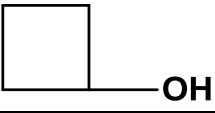
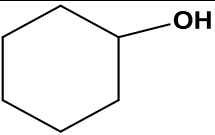
3-Etil-2-hidroksi hekzan

- "OL" son eki ile: Alkan + OL (Metanol)
- "Hidroksi" ön eki ile: Hidroksi + Alkan (Hidroksi metan)
- "Alkil kökü" + Alkol: Metil Alkol

Örnekler

| | |
|---|---|
| $\text{HO}-\overset{\text{H}_2}{\text{C}}-\overset{\text{H}_2}{\text{C}}-\text{OH}$ <p>1,2-Etandiol = Etilen glikol</p> | $\begin{array}{c} \text{H}_3\text{C}-\overset{\text{H}}{\text{C}}-\overset{\text{H}}{\text{C}}-\text{CH}_2\text{OH} \\ \quad \\ \text{CH}_3 \quad \text{CH}_3 \end{array}$ <p>2,3-dimetil-1-butanol</p> |
| $\begin{array}{c} \text{H}_3\text{C}-\overset{\text{H}_2}{\text{C}}-\overset{\text{H}}{\text{C}}-\overset{\text{H}_2}{\text{C}}-\text{OH} \\ \\ \text{CH}_3 \end{array}$ <p>2-Metil-1-butanol</p> | $\text{H}_3\text{C}-\text{OH}$ <p>Metanol = hidroksimetan Metil alkol = KARBİNOL</p> |
| $\begin{array}{c} \text{H}_3\text{C}-\overset{\text{H}_2}{\text{C}}-\overset{\text{H}}{\text{C}}-\text{CH}_2\text{OH} \\ \\ \text{CH}_3 \end{array}$ <p>sec-Butil karbinol</p> |  <p>Sikloheksil karbinol</p> |
| $\begin{array}{c} \text{H}_2\text{C}=\overset{\text{H}}{\text{C}}-\overset{\text{H}}{\text{C}}-\text{CH}_3 \\ \\ \text{OH} \end{array}$ <p>3-Büten-2-ol</p> | $\text{HO}-\overset{\text{H}_2}{\text{C}}-\overset{\text{H}}{\text{C}}-\overset{\text{H}_2}{\text{C}}-\text{OH}$ <p>1,2,3-Propantriol = GLİSEROL, Gliserin</p> |
| $\text{HC}\equiv\text{C}-\text{CH}_2\text{OH}$ <p>2-Propin-1-ol</p> |  <p>4-Bromo-2-etil-sikloheksanol (Alfabetik dizin)</p> |

Çok Kullanılan Alkoller ve Adları:

| Formül | Alkil Kökü + alkol | Alkan + ol | Hidroksi + Alkan |
|--|--------------------------------|---------------|-------------------------------|
| $\text{H}_3\text{C}-\text{OH}$ | Metilalkol (Karbino) | metanol | hidroksi metan |
| $\text{CH}_3\text{CH}_2-\text{OH}$ | Etil alkol | Etanol | hidroksi etan |
| $\text{CH}_3\text{CH}_2\text{CH}_2-\text{OH}$ | n-propil alkol | n-propanol | 1-hidroksi propan |
| $\begin{array}{c} \text{H}_3\text{C} \quad \text{H} \\ \quad \diagdown \quad \diagup \\ \quad \text{C}-\text{OH} \\ \quad \diagup \quad \diagdown \\ \text{H}_3\text{C} \end{array}$ | İzo-propil alkol | İzo-propanol | 2- hidroksi propan |
| $\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_2-\text{OH}$ | n-bütül alkol | n-bütanol | 1-hidroksi propan |
| $\begin{array}{c} \text{H} \\ \\ \text{CH}_3\text{CH}_2-\text{C}-\text{CH}_3 \\ \\ \text{OH} \end{array}$ | sec-bütül alkol | sec-bütanol | 2- hidroksi propan |
| $\begin{array}{c} \text{H}_3\text{C} \\ \quad \diagdown \\ \quad \text{CH}-\text{C}-\text{OH} \\ \quad \diagup \quad \\ \text{H}_3\text{C} \quad \text{H}_2 \end{array}$ | İzo-bütül alkol | İzo-bütanol | 2-metil-1- hidroksi propan |
| $\begin{array}{c} \text{CH}_3 \\ \\ \text{H}_3\text{C}-\text{C}-\text{OH} \\ \\ \text{CH}_3 \end{array}$ | tert-bütül alkol | tert-bütanol | 2-metil-2- hidroksi propan |
| $\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_2-\text{OH}$ | n-pentil alkol (amil alkol) | n-pentanol | 1- hidroksi pentan |
| $\text{H}_2\text{C}=\text{CHCH}_2-\text{OH}$ | Allil alkol | 2-propen-1-ol | 1- hidroksi-2-propen |
|  | Benzil alkol | fenilmetanol | fenilhidroksimetan |
|  | siklobütülalkol | siklobütanol | hidroksisiklobütan |
|  | sikloheksil alkol | sikloheksanol | hidroksisikloheksan |