eg. 1: Butane and isobutane have the same molecular formula, $C_4H_{10}$, but different structural formulas.

![Structural formula of butane](image1)

![Structural formula of isobutane](image2)

Therefore, butane and isobutane are constitutional isomers.

eg. 2: Ethyl alcohol and dimethyl ether have the same molecular formula, $C_2H_6O$, but different structural formulas.

![Structural formula of ethyl alcohol](image3)

![Structural formula of dimethyl ether](image4)

Therefore, ethyl alcohol and dimethyl ether are constitutional isomers.

see also stereoisomers, skeletal isomers, positional isomers, functional isomers

Contributors

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