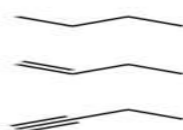


of Carbons
1
2
3
4
5
6
7
8
9
10

Name
Methane
Ethane
Propane
Butane
Pentane
Hexane
Heptane
Octane
Nonane
Decane

Structure
 CH_4
 H_3CCH_3
 $\text{H}_3\text{CCH}_2\text{CH}_3$
 $\text{H}_3\text{C}(\text{CH}_2)_2\text{CH}_3$
 $\text{H}_3\text{C}(\text{CH}_2)_3\text{CH}_3$
 $\text{H}_3\text{C}(\text{CH}_2)_4\text{CH}_3$
 $\text{H}_3\text{C}(\text{CH}_2)_5\text{CH}_3$
 $\text{H}_3\text{C}(\text{CH}_2)_6\text{CH}_3$
 $\text{H}_3\text{C}(\text{CH}_2)_7\text{CH}_3$
 $\text{H}_3\text{C}(\text{CH}_2)_8\text{CH}_3$



Butane
1-Butene
1-Butyne

Functional Groups and Priorities

(Highest priority)

Main Chain/Example

Side Chain/Example

Carboxylic Acids



N/A

Esters



Amides



Aldehydes



Ketones



Alcohols



Thiols



Alkenes



Alkynes



Alkyl Halides

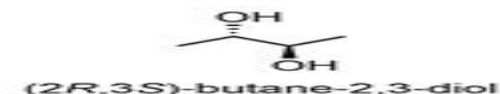
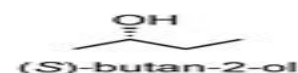


Alkanes



(Lowest priority)

Naming Stereoisomers



Special Carbon Chains

Name

Structure

Example

isopropyl



sec-butyl



tert-butyl



isobutyl



cyclo...



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Michael Hoelscher

A red circular graphic with a gradient, appearing as a semi-circle or a partial circle, located to the right of the author's name.

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