

IUPAC Naming

Chemistry

Naming an organic molecule in five steps.

The systematic procedure.

1

Find the longest chain containing the group

Not necessarily drawn as a straight line.

2

Number from the end nearest the group

Functional group gets the lowest possible number.

3

Identify substituents

Methyl, ethyl, chloro, and so on.

4

Order alphabetically

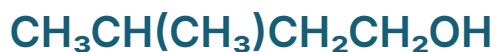
Ignore di-, tri- when alphabetising.

5

Assemble

Substituents, then stem, then suffix.

EXAMPLE



Longest chain: 4 carbons — butan-1-ol

Methyl on carbon 3

3-methylbutan-1-ol

Number to give the functional group the lowest locant, even if that gives substituents higher numbers.