A symmetrical alkyne is an alkyne in whose molecule the triply bonded carbon atoms bear the same ligands.

eg:

\[
\text{CH}_3\text{C\equiv C\equiv C\equiv C\equiv C\equiv C\equiv C\equiv CH}_3
\]

In an organic molecule, a carbon-carbon triple bond of which the carbon atoms bear the same ligands is called a symmetrical triple bond.

eg:

see also unsymmetrical alkyne

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**Contributors**

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